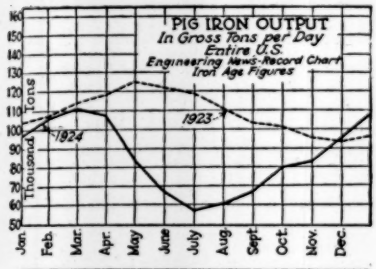
CONSTRUCTION NEWS

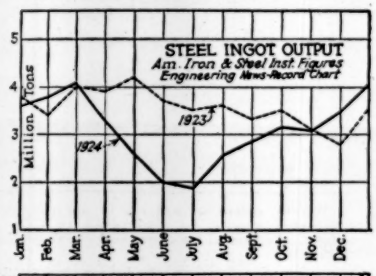
Engineering News-Record, February 26, 1925

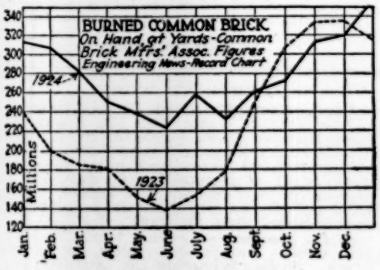
The Construction Barometer

Production of Basic Materials Active But Not to the Point of Over-expansion—Demand Gaining as Spring Approaches

THE basic materials output is picking up speed from week to week, in anticipation of the spring demand. Sufficient caution is being exercised to prevent over-expansion in any one line. The charts show steady seasonal gains in most of the principal materials, while in the case of common brick, more than the usual quantity is stored at yards for use between now and June, 1925. Cement production does not, as a rule, begin to revive from the mid-winter lethargy until March, and continues to gain from that time on until late summer and early autumn, after which time the trend is usually downward. Steel demand is approaching the August, 1923, level as shown by the chart of unfilled orders. Pine demand appears to be gaining slightly over fir, since in the former, orders are less than one per cent below output, while in the latter, they are at least three per cent below production.




STEEL INGOT OUTPUT
Am. Iron & Steel Inst. Figures
Engineering News-Record Chart
Million Tons
1924
1923
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.



Engineering News-Record Statistics

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

Value of Large Contracts Let In The United States

Week Ended	Public Work	Private Work	Total Contracts
Feb. 5	$13,213,000	$20,500,000	$33,713,000
Feb. 12	12,609,000	25,577,000	38,186,000
Feb. 19	20,863,000	27,401,000	48,264,000
3 Weeks	$46,685,000	$73,478,000	$120,163,000

Large Building Contracts—Number and Value

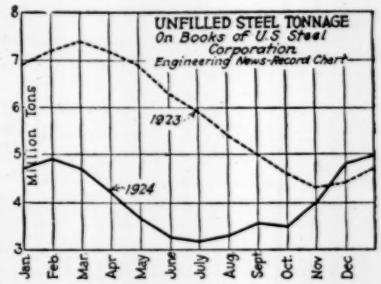
Week Ended	Commercial: Public No.	Commercial: Public Thousand	Commercial: Private No.	Commercial: Private Thousand	Industrial No.	Industrial Thousand
Feb. 5	11	$3,525	27	$17,107	18	$1,539
Feb. 12	4	885	26	24,073	17	1,327
Feb. 19	10	2,503	49	23,282	24	3,921
3 Weeks	25	$6,913	102	$64,462	59	$6,787

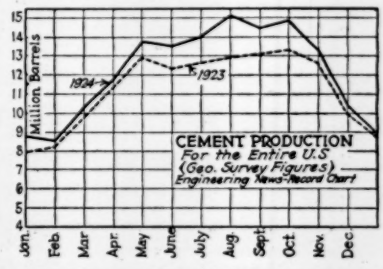
Number Of Large Jobs Now Out For Bids

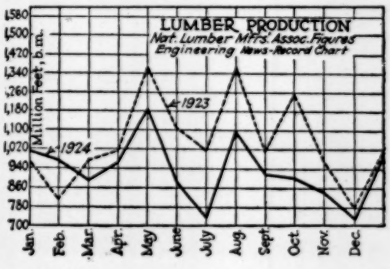
Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
Feb. 5	23	40	41	34	174
Feb. 12	34	49	43	42	186
Feb. 19	48	61	50	50	205

Basic Materials Prices at Important Points

	Quoted on Feb. 26 at	Last Price Change Was	On
Structurals, Pittsburgh, 100 lb.	$2.00 @2.20	$2.00 @2.10	Feb. 5
Cement, Chi., net bbl.	2.20	2.10	Jan. 15
Pine, N. Y., M. ft.	60.00	57.00	Jan. 15
Fir., San Fran., M. ft.	29.00	31.00	Oct. 30
Common labor, hr., U.S.	.54	.55½	Jan. 29


UNFILLED STEEL TONNAGE
On Books of U.S. Steel Corporation
Engineering News-Record Chart
Million Tons
1923
1924
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.





PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Feb. 27	New London, Conn.	Feb. 19
Feb. 27	Cleveland, O.	Feb. 26
Mar. 2	Two Rivers, Wis.	Feb. 19
Mar. 3	Barberton, O.	Jan. 29
Mar. 3	New Brunswick, N. J.	Feb. 19
Mar. 3	St. Paul, Minn.	Feb. 26
Mar. 3	Long Island City, N. Y.	Feb. 26
Mar. 4	St. George, N. Y.	Feb. 26
Mar. 4	Oroville, Calif.	Feb. 26
Mar. 5	Covington, Ky.	Feb. 19
Mar. 5	Ambridge, Pa. Adv. Feb. 19 and 26.	Feb. 19
Mar. 5	Quinton, Okla.	Feb. 19
Mar. 10	Ormond, Fla.	Feb. 19
Mar. 10	Piqua, O.	Feb. 12
Mar. 10	Phillips, Wis.	Feb. 26
Mar. 16	Lake Forest, Ill. Adv. Feb. 26.	Feb. 26
Mar. 16	New York, N. Y.	Feb. 5
Mar. 17	Kansas City, Mo. Adv. Feb. 19 and 26.	Feb. 19
Mar. 18	Kansas City, Mo. Adv. Feb. 19 and 26.	Feb. 19
Mar. 19	Kansas City, Mo. Adv. Feb. 19 and 26.	Feb. 19
Mar. 20	Kansas City, Mo. Adv. Feb. 19 and 26.	Feb. 19
Mar. 21	Kansas City, Mo. Adv. Feb. 19 and 26.	Feb. 19
Mar. 21	Kansas City, Mo. Adv. Feb. 26.	Feb. 26
Mar. 23	St. Augustine, Fla. Adv. Feb. 19 and 26.	Feb. 19

SEWERS

Bids Close		See Eng. News-Record
Mar. 2	Elgin, Ill. Adv. Feb. 5 to 26.	Feb. 5
Mar. 3	Columbia, Miss.	Feb. 26
Mar. 3	Hartford, Conn.	Feb. 26
Mar. 4	Baltimore, Md.	Feb. 26
Mar. 5	Rogers, Ark.	Feb. 19
Mar. 5	Westerville, O.	Feb. 12
Mar. 6	Richmond, Va. Adv. Feb. 19 and 26.	Feb. 19
Mar. 7	Columbus, O.	Feb. 26
Mar. 9	Los Angeles, Calif.	Feb. 26
Mar. 9	Decatur, Ill.	Feb. 12
Mar. 9	Madison, S. D.	Feb. 19

Bids Close		See Eng. News-Record
Mar. 10	Phillips, Wis.	Feb. 26
Mar. 10	Macon, Ga. Adv. Feb. 26.	Feb. 26
Mar. 10	Urbana, Ill.	Feb. 12
Mar. 10	Lakeland, Fla. Adv. Feb. 19 and 26.	Feb. 19
Mar. 12	Correctionville, Ia.	Feb. 26
Mar. 18	Elizabeth City, N. C. Adv. Feb. 19 and 26.	Feb. 19
Mar. 18	East Chicago, Ind. Adv. Feb. 26.	Feb. 26

WASTE DISPOSAL

Mar. 9	Lakewood (Cleveland P. O.), O.	Feb. 26

BRIDGES

Feb. 27	Lancaster, Pa.	Feb. 12
Feb. 28	Missouri	Feb. 19
Mar. 2	California	Feb. 19
Mar. 2	Vero, Fla.	Feb. 19
Mar. 2	Manitowoc, Wis.	Feb. 26
Mar. 3	Anderson, Tex.	Feb. 26
Mar. 3	Oklahoma	Feb. 26
Mar. 4	Allenhurst, N. J. Adv. Feb. 12 to 26.	Feb. 12
Mar. 4	Matawan, N. J. Adv. Feb. 12 to 26.	Feb. 19
Mar. 5	Charleston, S. C.	Feb. 12
Mar. 6	Nashville, Tenn.	Feb. 26
Mar. 9	California	Feb. 26
Mar. 10	Winnsboro, S. C.	Feb. 19
Mar. 10	Williamsport, Pa.	Feb. 19
Mar. 11	Brushvale, Minn.	Feb. 19
Mar. 16	California	Feb. 26
Mar. 16	Illinois	Feb. 26
Mar. 17	Dayton, O.	Feb. 26
Mar. 23	St. Augustine, Fla. Adv. Feb. 19 and 26.	Feb. 19
Mar. 31	Louisiana Adv. Feb. 26.	Feb. 26

EXCAVATION, DRAINAGE IRRIGATION, LEVEES

Mar. 2	Ithaca, N. Y.	Feb. 5
Mar. 3	Jacksonville, Ill.	Feb. 26
Mar. 17	Pocahontas, Ia.	Feb. 26
Mar. 20	Marlow, Okla.	Feb. 26

STREETS AND ROADS

Feb. 20	Coney Island (Sta. Brooklyn), N. Y.	Feb. 12
Feb. 21	East Concord, N. Y.	Feb. 19
Feb. 24	Baltimore, Md.	Feb. 19
Feb. 27	Pennsylvania	Feb. 5
Feb. 27	Greenburg, Pa.	Feb. 12
Feb. 28	Missouri	Feb. 19
Mar. 1	New Philadelphia, O.	Feb. 5
Mar. 2	Kalama, Wash.	Feb. 12
Mar. 2	New Jersey	Feb. 12
Mar. 2	California	Feb. 19
Mar. 2	Wilburton, Okla.	Feb. 19
Mar. 2	Wichita, Kan.	Feb. 19
Mar. 2	Wichita, Kan.	Feb. 26
Mar. 2	Mt. Lebanon, Pa.	Feb. 26
Mar. 3	Greenville, S. C.	Feb. 19
Mar. 3	Clinton, Okla.	Feb. 19
Mar. 3	Lewisburg, W. Va.	Feb. 19
Mar. 3	Ocala, Fla.	Feb. 19
Mar. 3	St. Louis, Mo.	Feb. 5
Mar. 3	Wash., D. C.	Feb. 12
Mar. 3	Bluefield, W. Va.	Feb. 12
Mar. 3	Columbus, O.	Feb. 26
Mar. 3	Mountain View, Calif.	Feb. 26
Mar. 3	St. George, N. Y.	Feb. 26
Mar. 3	East Providence (Providence P. O.), R. I.	Feb. 26
Mar. 3	Owatonna, Minn.	Feb. 26
Mar. 3	Towson, Md.	Feb. 26
Mar. 3	Oklahoma	Feb. 26
Mar. 4	Florida	Feb. 26
Mar. 4	North Dakota	Feb. 26
Mar. 4	Mobile, Ala.	Feb. 5
Mar. 4	Ebensburg, Pa.	Feb. 19
Mar. 4	Freehold, N. J. Adv. Feb. 19 and 26.	Feb. 19
Mar. 5	North Dakota	Feb. 26
Mar. 5	Kelso, Wash.	Feb. 26
Mar. 5	New York, N. Y.	Feb. 26
Mar. 6	Brooklyn, N. Y.	Feb. 26
Mar. 9	New Jersey Adv. Feb. 19 and 26.	Feb. 19
Mar. 9	Harrisonburg, Va.	Feb. 26
Mar. 10	Hebbronville, Tex.	Feb. 26
Mar. 10	Waco, Tex.	Feb. 26
Mar. 10	St. Louis, Mo.	Feb. 19
Mar. 10	Clinton, Okla.	Feb. 19
Mar. 12	Eagle Pass, Tex.	Feb. 26
Mar. 12	Louisiana	Feb. 26
Mar. 12	North Dakota	Feb. 26
Mar. 12	Virginia	Feb. 26
Mar. 13	Pennsylvania Adv. Feb. 26.	Feb. 26
Mar. 14	Brooklyn, N. Y.	Feb. 26
Mar. 16	Illinois	Feb. 26
Mar. 16	California	Feb. 26
Mar. 16	Riverside, Calif.	Feb. 26
Mar. 16	New Jersey Adv. Feb. 26.	Feb. 26
Mar. 17	New York Adv. Feb. 26.	Feb. 26
Mar. 24	North Dakota	Feb. 26
Mar. 29	California	Feb. 19
Mar. 30	Duluth, Minn.	Feb. 12
Apr. 1	Birmingham, Ala.	Feb. 19
Apr. 1	Tuscaloosa, Ala.	Feb. 19

BUILDINGS—INDUSTRIAL

Feb. 27	Corona (Sta. Flushing), N. Y.	Feb. 19
Mar. 1	Youngstown, O.	Jan. 15
Mar. 3	Detroit, Mich.	Feb. 26
Mar. 5	Milwaukee, Wis.	Feb. 26
Mar. 12	Comstock, N. Y. Adv. Feb. 26.	Feb. 26

BUILDINGS—COMMERCIAL

Feb. 27	Zelionople, Pa.	Feb. 19
Feb. 27	Scranton, Pa.	Feb. 26
Feb. 28	Cleveland, O.	Feb. 26
Feb. 28	Lancaster, Pa.	Feb. 19
Feb. 28	Baltimore, Md.	Feb. 26
Mar. 1	Denver, Colo.	Feb. 19
Mar. 2	Lewisburg, Pa.	Feb. 5
Mar. 2	Ft. Scott, Kan.	Feb. 19
Mar. 2	Warren, O.	Feb. 26
Mar. 2	Minneapolis, Minn.	Feb. 26
Mar. 3	Kansas City, Mo.	Feb. 12
Mar. 4	Kings Park, N. Y. Adv. Feb. 12 to 26.	Feb. 12
Mar. 4	Baltimore, Md.	Feb. 19
Mar. 4	Woodhaven (branch Jamaica) N. Y.	Feb. 19
Mar. 4	Eloise, Mich.	Feb. 26
Mar. 5	New York, N. Y.	Feb. 26
Mar. 5	Hudson, N. Y.	Feb. 5
Mar. 5	Denton, Md.	Feb. 26
Mar. 6	Houston, Tex.	Feb. 26
Mar. 6	Concord, N. H.	Feb. 26
Mar. 6	Fairview, O.	Feb. 19
Mar. 6	Detroit, Mich.	Feb. 26
Mar. 7	Vancouver, B. C.	Feb. 26
Mar. 9	Shaker Heights (Cleveland P. O.), O.	Feb. 26
Mar. 9	Phila., Pa	Feb. 26
Mar. 11	Baltimore, Md.	Feb. 26
Mar. 15	Gonzales, Tex.	Feb. 19
Mar. 15	Quincy (Boston P. O.), Mass.	Feb. 26
Mar. 17	Freeport, Ill.	Feb. 5
Mar. 17	Dayton, O.	Feb. 26
Mar. 18	Wingdale, N. Y. Adv. Feb. 26.	Feb. 26
Mar. 20	Johnstown, Pa.	Feb. 19
Apr. 1	Zanesville, O.	Feb. 19
July 14	Phila., Pa.	Feb. 19

FEDERAL GOVERNMENT WORK

Feb. 27	Boat Hull—Pittsburgh, Pa. Adv. Feb. 5 to 26.	Feb. 5
Feb. 27	Stone—Wilmington, Del.	Feb. 5
Feb. 28	Barges—Vicksburg, Miss.	Feb. 5
Feb. 28	Tower—New York, N. Y. Adv. Feb. 5 to 26.	Feb. 5
Mar. 2	Paving, etc.—San Diego, Calif.	Feb. 5
Mar. 2	Wire, etc.—Memphis, Tenn. Adv. Feb. 5 to 26.	Feb. 5
Mar. 2	Rope—Memphis, Tenn. Adv. Feb. 5 to 26.	Feb. 5
Mar. 2	Repairs, etc.—Baltimore, Md.	Feb. 12
Mar. 3	Storehouse—Jefferson Barracks, Mo.	Feb. 5
Mar. 3	Pumping Units—Wash., D. C. Adv. Feb. 5 to 26.	Feb. 5
Mar. 5	Post Office—Parkersburg, W. Va.	Feb. 12
Mar. 6	Steel Hull—Phila., Pa.	Jan. 22
Mar. 6	Pipeline—Phila., Pa. Adv. Feb. 12 to 26.	Jan. 29
Mar. 9	Cable—Buffalo, N. Y. Adv. Feb. 19 and 26.	Feb. 19
Mar. 9	Boiler House—Phila., Pa. Adv. Feb. 19 and 26.	Feb. 19
Mar. 10	Dam—Mitchell, Neb.	Feb. 5
Mar. 12	Turbines—Denver, Col.	Feb. 5
Mar. 12	Barge—Wilmington, N. C. Adv. Feb. 12 to 26.	Feb. 12
Mar. 12	Steel Bars—Milwaukee, Wis. Adv. Feb. 12 to 26.	Feb. 12
Mar. 16	Post Office—Gilmer, Tex. Adv. Feb. 19 and 26.	Feb. 19
Mar. 16	Generator Unit—Buffalo, N. Y. Adv. Feb. 26.	Feb. 26
Mar. 17	Buildings—Great Lakes, Ill. Adv. Feb. 19 and 26.	Feb. 19
Mar. 17	Post Office—Kenton, O. Adv. Feb. 19 and 26.	Feb. 19
Mar. 20	Dredging—Providence, R. I. Adv. Feb. 19 and 26.	Feb. 19
Mar. 27	Dredging—Providence, R. I. Adv. Feb. 26.	Feb. 26
Mar. 28	Dredging—Charleston, S. C. Adv. Feb. 26.	Feb. 26
Apr. 8	Hangers—Pearl Harbors, H. T. Adv. Feb. 19 and 26.	Feb. 19

UNCLASSIFIED

Feb. 28	Grain Elevator—Phila., Pa.	Feb. 26
Mar. 4	Fire Alarm System—Ogdensburg, N. Y. Adv. Feb. 12 to 26.	Feb. 12
Mar. 4	Fire Sprinklers—Willard, N. Y.	Feb. 12
Mar. 5	Sanitary Works, etc.—Randalls Island (mail New York), N. Y.	Feb. 5
Mar. 6	Miscellaneous Construction, etc. —New York, N. Y.	Feb. 26
Mar. 7	Park Improvements — Ft. Worth, Tex.	Feb. 26
Mar. 11	Fire Sprinklers—Brooklyn, N. Y. Adv. Feb. 19 and 26.	Feb. 19
Mar. 17	Subway—Phila., Pa. Adv. Feb. 19 and 26.	Feb. 19
Mar. 23	Estuary Tube—Oakland, Calif.	Feb. 5
Mar. 25	Fire Alarm System—Willard, N. Y. Adv. Feb. 26.	Feb. 26
Mar. 25	Fire Sprinklers—Buffalo, N. Y. Adv. Feb. 26.	Feb. 26

MATERIAL AND EQUIPMENT

Feb. 27	Asphalt, etc. — Hamilton, Ont.	Feb. 19
Feb. 27	Lead Cables—Cleveland, O.	Feb. 26
Feb. 28	Asphalt, Cement, etc.—Detroit, Mich.	Feb. 26
Mar. 2	Tarvia—Two Rivers, Wis.	Feb. 26
Mar. 2	Road Oil and Calcium Chloride—Wausau, Wis.	Feb. 26
Mar. 3	Clam Shells—New Orleans, La.	Feb. 26
Mar. 3	Bituminous Material — Virginia	Feb. 12
Mar. 3	Tractor—Winona, Minn.	Feb. 19
Mar. 3	Grader—Jamestown, N. D.	Feb. 19
Mar. 3	Stone, etc.—Towson, Md.	Feb. 26
Mar. 4	Tractor—Onida, S. D.	Feb. 26
Mar. 4	Crushed Stone, Gravel, etc. — Baltimore, Md.	Feb. 26
Mar. 5	Road Machine—Bismarck, N. D.	Feb. 26
Mar. 5	Patrol Grader—Port Washington, Wis.	Feb. 26
Mar. 5	Graders—Bottineau, N. D.	Feb. 26
Mar. 6	Road Machines, etc.—Grand Forks, N. D.	Feb. 19
Mar. 10	Dragline Machine—Greenville, Miss. Adv. Feb. 19 and 26.	Feb. 19
Mar. 10	Bituminous Material, etc. — Albany, N. Y. Adv. Feb. 26.	Feb. 26
Mar. 18	Asphaltic Cement — Pennsylvania	Feb. 26
Apr. 1	Crane — Melbourne, Australia	Feb. 19

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., North Branford (R. D. Branford) —New Haven Water Co., 100 Crown St., New Haven, C. Y. Gaillard, pres., plans new 15 m.g. reservoir to supply New Haven, to cover 1,000 acres and have 25 sq.mi. water shed, to include 700 ft. dam, 190 ft. high, with pipe line to New Haven. A. B. Hill, 100 Crown St., New Haven, consult. engr. Noted Feb. 28, 1924.

S. C., Florence—Election Mar. 20, $350,000 bonds waterworks plant, on Black Creek. Nisbet Wingfield Co., Augusta, Ga., engrs.

O., Cleveland — Soon takes bids, rebuilding 4 triple expansion engines for 250 lb. steam pressure and 250 ft. water head, four 700 hp. vertical water tube boilers with underfeed stokers and brick settings, complete, removing old boilers and revamping boiler room basement, forced draft fans, coal and ash handling equipment, water softening equipment, power piping, main switchboard and electric valve control, gages, meters, etc., $400,000. L. A. Quayle, City Hall, engr.

O., Columbus—See "Streets and Roads."

Ill., Schiller Park—See "Sewers."

Mo., Chaffee — Election Mar. 7, $55,000 bonds, waterworks, tank on tower, distribution system, etc. C. E. Smith & Co., Railway Exch., St. Louis, engrs.

Mo., Glendale—Election Mar. 14, $600,000 bonds water distribution system, booster pumps, etc. $60,000.

Mo., Kirkwood — Voted $25,000 bonds power equipment for waterworks. C. E.

Waterworks (Continued)

Smith, Railway Exch. Bldg., St. Louis, engr.

Tex., Abilene — Making plans improving and enlarging waterworks. $100,000 bond election soon. M. L. Sellers, city secy. Engineer not announced.

Tex., Denison—R. G. Gresham, city secy., making plans and takes bids in spring sediment basin. $20,000. C. E. Haydon, Denison, engr.

Tex., Giddings—Election Feb. 24, $46,000 bonds waterworks improvements. J. D. Fields, mayor.

Okla., Claremore—Plans improving waterworks. $60,000. G. Laws, city clk. Engineer not selected.

Okla., Tonkawa—Voted $80,000 bonds for dam across Chickasha River, filtration plant, pumps, settling basin, equipment, etc. Ruckel Eng. Co., Interurban Bldg., Hutchinson, Kan., engrs. Noted Feb. 12.

Calif., Newport Beach—Plans election $350,000 bonds, enlarging and extending water system.

Calif., Palo Alto — See "Streets and Roads."

B. C., Vancouver—Election Feb. 28, $1,250,000 bonds for waterworks additions. C. Brackenridge, city engr.

BIDS DESIRED

N. Y., Long Island City—Mar. 3, by N. J. Haves, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Schroeder and Sylvan Places, 41st Dr., Rocky Hill Rd., North Hempstead Turnpike, Ely and 3rd Aves., 54th, 59th, 65th, 97th, 160th and 162nd Sts.

N. Y., St. George — Mar. 4, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Arden, Bismarck, Bowles, Fitzgerald, Hammersley, Kissam, Kissel, Maple, Ontario, Oswego, Richmond, Sheldon, Travis and Webster Aves., Moody, Prospect and Wygant Places, Little Clove, Mill and Willowbrook Rds., Bay and Richmond Terraces, and in grounds of Clove pumping station.

Miss., Natchez — Mar. 9, by Bd. Water Comrs., furnishing material and constructing waterworks improvements, incl. 500,000 gal. steel tank on 150 ft. tower, etc. H. Mentz, Magnolia, consult. engr.

O., Alliance — Bd. Control taking bids improving and repairing waterworks equipment. $75,000. H. Anderson, Alliance, engr.

O., Cleveland—Feb. 27, by City, furnishing and laying 15,750 ft. 36 in. lock bar or other steel mains from Division Ave. Station to West 117th St.; 11,700 ft. pipe for North Raw Water Main; 5,000 ft. 48 in. pipe in Sect. 3, West Side High Service Main. R. Hoffman, City Hall, engr.

O., Columbus—See "Streets and Roads."

Ill., Lake Forest—Mar. 16, by City Clerk, for waterworks pumps and pumping equipment; adv. E. N.-R. Feb. 26.

Wis., Phillips—Mar. 10, by City Clerk, 26,000 lin.ft. 4- to 8-in. c.i. main extensions, 32 valves, 35 hydrants, etc. $22,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Minn., St. Paul—Mar. 3, by H. W. Austin, city purch. agt., one 60 in. and one 90 in. circular butterfly valves, one 48 in. one 90 in., and two 60 in. circular sluice gates, two 48 x 60 in. rectangular sluice gates. G. M. Shepard, city engr.

Mo., Kansas City — Mar. 21, by A. J. Stewart, purch. agt., City Hall, high lift pumping station, reservoir, etc., Nicholson Ave. near Monroe St. in East Bottoms. Fuller & Maitland, 600 Walnut St., engrs.; adv. E. N.-R. Feb. 26.

Calif., Oroville — Mar. 4, by Directors Thermalito Irrigation Dist., 18,615 ft. 4- to 12-in. riveted slip joint pipe with fittings, 18,800 lin.ft. trenching, backfill and hauling, distributing and installing pipe and fittings, etc. S. J. Norris, Oroville, engr.

Que., St. Donat de Montcalm—J. Thibeault, taking bids 3, 4 and 6 in. pipe, and 25,000 gal. reservoir cap. $25,000.

BIDS RECEIVED

Wash., Seattle—Bd. Pub. Wks., mains in various streets, from Argenteria & Co., 1819 Weller St., 5,260 ft. 24 in. c.i. pipe $10.30, etc., total $63,797. Engrs. est. $70,695.

CONTRACTS AWARDED

Md., Baltimore—Bd. Awards c.i. pipe and fittings, to U. S. Cast Iron Pipe Co., Burlington, N. J., $162,600; 250,000 lb. pig lead, to N. Trotter Co., 36 North Front St., Phila. Pa., $24,425; 150,000 lb. lead substitute, to Leadite Co., 1512 Land Title Bldg., Phila., Pa. $18,285. Noted Feb. 19.

N. C., West Jefferson—Town Bd. Comrs., water supply system, to Boyd & Goforth, Charlotte. Noted Jan. 22.

Ia., Flover—City mains and hydrants, to C. W. Roland Constr. Co., 1347 8th St., Des Moines, $5,100; steel tower and tank, to Pittsburgh-Des Moines Steel Co., Tuttle and 10th Sts., Des Moines, $4,700. Bids will be received later on pumping equipment. Noted Jan. 8.

Ore., Portland — For 25,000 tons c.i. water pipe, to U. S. Cast Iron & Fdry. Co., Colman Bldg., Seattle, $126,160.

Calif., El Centro—Rein.-con. reservoir and pump house, to I. A. Thomas, El Centro, $15,920 and $11,809 respectively.

Calif., Newport Beach—For water distribution system in Corona Del Mar, to C. Fisher, 1682 4th St., Santa Monica, $404,886. Noted May 15.

Sewers

PROPOSED WORK

Mass., Needham — Bd. Selectmen plan new sewerage system and pumping station. To exceed $25,000. Barbour & Dixon, Tremont Bldg., Boston, engrs.

Fla., Titusville—Election Mar. 10, $125,000 bonds for sewers in various streets. J. P. Wilson, city clk.

Ala., Florence—See "Streets and Roads."

O., Columbus—See "Streets and Roads."

O., Kenmore—Takes bids in spring storm sewer incl. main sewer to be 6,300 ft. long, 72 in. diam. in Central Dist. $141,000. D. P. Dowling, Kenmore, engr.

Indiana — Cities of East Chicago, Hammond and Whiting making plans for sewage disposal plant. Randolph-Perkins Co., 1210 First Natl. Bank Bldg., Chicago, Ill., and R. Seely, Hammond, engrs.

Ill., Alton—See "Streets and Roads."

Ill., Niles (Chicago P. O.)—Making plans sewerage system. $210,000. Consoer, Older & Quinlan, Inc., Marquette Bldg., 140 South Dearborn St., Chicago, consult. engrs.

Ill., Park Ridge—Making plans South Side sewerage system. $250,000. Consoer, Older & Quinlan, Marquette Bldg., 140 South Dearborn St., Chicago, consult. engrs.

Ill., River Grove—Making plans Southwest Side sewerage system. $60,000. Consoer, Older & Quinlan, Marquette Bldg., 140 South Dearborn St., Chicago, consult. engrs.

Ill., Schiller Park—Making plans waterworks and sewerage system. $40,000. Consoer, Older & Quinlan, Marquette Bldg., 140 South Dearborn St., Chicago, consult. engrs.

Wis., Kewanee—Plans election $25,000 bonds extending sewers in various streets. J. W. Cain, city clk.

Ia., Boone—Making plans sewage disposal plant. $75,000. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., engrs.

Ia., Iowa Falls—Plans 0.5 mi. extension to main sewer, and disposal plant. $100,000. J. O. Gregg, city clk.

Minn., Duluth—W. H. Tischer, city comr., takes bids about Apr. 25, for 5,194 ft. 8 and 10 in. sewer in Lincoln Park Blvd., 26th Ave. west from 15th to 14th alley and 26th Ave. from alley to Lincoln Point. $27,347. J. Wilson, city engr.

Mo., Chaffee — Election Mar. 7, $30,000 bonds complete sanitary sewerage system, disposal tank, etc. C. E. Smith & Co., Railway Exch., St. Louis, engrs.

Mo., Kansas City—Making plans sewers in Blue Valley and Goose Neck Rivers. Projects to be let separately. $5,500,000. E. M. Stayton, Black & Veatch, 700 Mutual Bldg., engrs.

Mo., Owensville—Election Apr. 7, $50,000 bonds, complete sanitary sewerage system, etc. Alexander Eng. Co., Woodruff Bldg., Springfield, engrs.

Tex., Conroe — Election Mar. 6, $50,000 bonds, sewerage system and disposal plant. C. T. Darby, mayor.

Tex., Crowell—J. E. Kimsey, city secy. making plans and soon takes bids new sewerage system. $50,000 bonds voted. F. E. Devlin, Bitting Bldg., Wichita, Kan., engr.

Tex., Floresville—Wilson Co. had revised plans prepared and soon takes bids asphalt macadam surfacing 9.43 mi. State Highway 81, Federal Aid Project 440-B, 18 ft. $184,400. F. E. Hess, Box 277, co. engr. Noted Feb. 5.

Calif, Dos Palos—Voted 30,000 bonds, for sewerage system. Noted May 8.

Calif., Palo Alto — See "Streets and Roads."

Calif., Porterville—Plans election $50,000 bonds, for sewage disposal plant. F. Pease, city engr.

Que., Granby—Plans 7,000 ft. sewers in various streets. $30,000. Engineer's name withheld.

BIDS DESIRED

Conn., Hartford—Mar. 3, by E. M. Dahill secy. Bd. Contract & Supply, City Hall, 2,375 ft. 10- to 20-in. sewers in Gilman and Douglas Sts. R. N. Clark, city engr.

Md., Baltimore—Mar. 4, by Bd. Awards, 1,850 ft. 48 and 54 in., 760 ft. 36 in. concrete, and 1,270 ft. 15 in. vitr. sanitary sewer, in Storm Water Contr. 82. B. L. Crozier, City Hall, highways engr.

Ga., Macon—Mar. 10, by Mayor and Bd. Aldermen, concrete storm water drains, etc., S. W. Contr. 100. Norton, Bird & Whitman, Baltimore and Macon, consult, engrs.; adv. E. N.-R. Feb. 26.

Miss., Columbia—Mar. 3, by Mayor and Bd. Aldermen, 1,300 ft. 42 in. rein.-con. or double strength vitr. clay and 300 ft. 12 in. vitr. terra cotta sewers in various streets, incl. sewer outfall walls, 5 manholes, etc. H. A. Mentz, Magnolia, engr.

O., Columbus — Mar. 7, by Bd. Comrs. Franklin Co., 8,930 ft. of 8 in. vitr. sewer, etc., in Sewer Dist. Clinton 2, Contr. 2, $20,000. 2,525 ft. 6 and 8 in. c.i. water mains in Sewer Dist. Clinton 2, Contr. 54, $8,000, 1,150 ft. 6 in. c.i. water mains in Sewer Dist. Franklin 4, Contr. 55, $2,000. Noted Nov. 27.

O., Columbus—See "Streets and Roads."

Ind., East Chicago—Mar. 18, by Bd. Pub. Wks., for Alder St., sewage pumping station. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, consult. engrs; adv. E. N.-R. Feb. 26.

Wis., Phillips — Mar. 10, by City Clerk 15,000 lin.ft. 8 in. vitr. sewer tile, 11,200 ft. 10- to 15-in. pipe in various streets, incl., 71 manholes, 1 storm weir, 1 circular Imhoff tank, etc. $40,000. Druar & Milinowski, 500, Globe Bldg., St. Paul, Minn., engrs.

Ia., Correctionville — Mar. 12, by H. B. Schenckloth, city clk., sanitary sewerage system and disposal plant, incl. 23,000 lin.ft. 8- to 12-in. pipe, 75 manholes, Imhoff tank and sludge beds. $40,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs. Noted Dec. 18.

Calif., Los Angeles—Mar. 9, by Supervs. Los Angeles Co., for Drainage Impvt. Dist. 11, 218,000 cu.yd. excav., 47,400 cu.yd. concrete, 4,750,000 lbs. steel, 30,540 ft. 6- to 10-in. vitr. or concrete pipe, 22,430 ft. 24- to 72-in. rein.-con. pipe, 6,400 sq.yd. macadam paving, 6,000 cu.yd. sand and gravel, 40,000 lin.ft. treated timber piling, alternative to be used at option of county if required, etc. To exceed $1,000,000. J. E. Rockhold, Los Angeles, co. surv.

Calif., Tulare — Taking bids Elrod disposal plant, remodeling present Cameron tanks and constructing aeration chambers, etc., 46,000 lbs. reinforcing, 75 lin.ft. corrugated or vitr. pipe, 950 lin.ft. 4- and 8-in. vitr. or concrete pipe, etc., also furnish mechanical equipment in connection with above. J. P. Williams, city engr.

BIDS RECEIVED

Calif., Firebaugh—For 8,371 lin.ft. 6 and 10 in. vitr. clay pipe, 318 wye branches for house connections, sewage disposal plant, Imhoff tank and dosing chamber, centrifugal pumps with electric motors, etc., from Frederickson & Watson, Cory Bldg., Fresno, approximately $34,000. Noted Oct. 16.

CONTRACTS AWARDED

Md., Baltimore—Bd. Awards, 7,500 ft. 8- to 48-in. sewers in Storm Water Contr. 80, to P. Marocco, 638 South Linwood Ave., $59,319. Noted Feb. 19.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, to Hogan Contg. Co., Melbourne Hotel, sewers in Oleathe Ave. Joint Sewer Dist. $18,778, Glaise Creek Sewer Dist. 16, $10,441; to Grant & Meinert, c/o Municipal Contractors Assn., Fullerton Bldg., sewers in Rock Creek Sewer Dist. 9, $11,457. Noted Jan. 22.

Tex., Shamrock—Paving various streets, 3 in. brick on 5 in. concrete, and Texaco asphalt filler, to Panhandle Constr. Co., Lubbock, $37,396. Noted Jan. 29.

Ore., Reedsport—City Council, sewerage system, to Inland Constr. Co., Ry. Exch. Bldg., Portland, $39,347. Noted Sept. 25.

Calif., Los Angeles—Bd. Pub. Wks., for Sect. 25, North Outfall sewer, to R. A. Wattson, 1026 McCadden Pl., 4,837 lin.ft. 5 ft. semi-elliptical concrete sewer, incl. curves, transitions, manholes, etc., $74,500, c.i. pipe, rein.-con. pipe support, piers, etc, $12,000.

Calif., Los Angeles—Bd. Pub. Wks., Sect. 1, Arroyo De La Sacatela storm drainage system, also street work, to Atkinson-Spicer Co., Chapman Bldg., $1,279,500 and $26,720 respectively. Noted Feb. 19.

Waste Disposal

PROPOSED WORK

Ont., Birch Cliff—Scarboro Twp., 1361 Kingston Rd., Toronto, having plans prepared concrete and brick garbage incinerator. $30,000. C. E. Fraser, 1361 Kingston Rd., Toronto, twp. engr.

Waste Disposal (Continued)

BIDS DESIRED

O., Lakewood (Cleveland P. O.)—Mar. 9, by City, E. A. Wiegland, mayor, 50 ton incinerator. $85,000. E. A. Fisher, City Hall, engr.

Mo., Kansas City — Mar. 10, collection and disposal of garbage and rubbish for 10 year period. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., engrs.

Bridges

PROPOSED WORK

O., Ashtabula—Dept. Highways and Pub. Wks., Columbus, having sketches made high level bridge on Main St., here. $600,000. Address State Highway Engineers, Columbus, headed by A. Schlessinger.

O., Lakewood (Cleveland P. O.) — City and New York Central R.R., City Hall, take bids in spring, concrete viaduct over Highland Ave. $300,000. E. A. Fisher, City Hall, engr. Noted July 31.

Tenn., Columbia—Maury Co., takes bids about Mar. 20, rein.-con. bridge over Duck River and several small concrete bridges in various parts of county. $35,000. B. Wilkes, Court House, supt. highways.

Texas — Anderson Co. (Palestine) and Freestone Co. (Fairfield) making plans 1,250 ft. steel truss bridge, to have one 225 ft. steel and two 80 ft. pony trusses, and 800 ft. concrete or timber pile trestle approach and earth fill approach across Trinity River. $200,000. E. W. Davis, co. engr.

Texas and Louisiana — Orange Co. (Orange), Tex., and Louisiana State Hy. Dept., Baton Rouge, made plans 425 ft. steel bridge consisting of one 300 ft. wing and 125 ft. simple spans, 4 panels of timber trestle approaches on Orange Co. side, over Sabine River. $250,000. J. E. Johnson, Orange, Tex., engr.

Tex., Albany—See "Streets and Roads."

Tex., Alpine—See "Streets and Roads."

Tex., Carthage—See "Streets and Roads."

Tex., Henrietta—See "Streets and Roads."

Tex., Palestine — Anderson Co. making plans 395 ft. steel and concrete bridge with two 80 ft. pony and one 225 ft. through steel trusses, etc., over Trinity River. $200,000. E. W. Davis, Palestine, engr.

Tex., San Antonio—Takes bids after Feb. 27, 145 ft., steel and concrete bridge across San Antonio River at 4th St. $40,000. Terrell Bartlett Engineers, Calcasieu Bldg., engrs. I. Ewig, city engr.

Wash., Hoquiam — Making plans double leaf bascule bridge on Simpson Ave. $240,000. M. M. Caldwell, Central Bldg., Seattle, engr.

Ont., Lambton Mills — York Co., 57 Adelaide St. E., Toronto, plans 300 ft. bridge, 48 ft., at Dundas St., here. $450,000. R. W. Phillips, 57 Adelaide St. E., Toronto, clk.

Ont., Toronto—Plans rebuilding Huntley St. Bridge, 250 ft. long, 66 ft. wide, with concrete and steel. $127,000. R. C. Harris, city engr.

BIDS DESIRED

Virginia—See "Streets and Roads."

Louisiana—Mar. 31, by State Hy. Dept., Reymond Bldg., Baton Rouge, Pearl River Bridge, Federal Aid Project 126, Sect. D, Tammany Parish, on New Orleans-Mississippi Highway. W. B. Robert, state engr.; adv. E. N.-R. Feb. 26.

Tenn., Nashville — Mar. 6, by Bd. Pub. Wks., rein.-con. viaduct over railroad tracks at Chestnut St., for City and Louisville & Nashville R.R. Co. $30,000. W. W. Southgate, city engr. Noted Feb. 12.

O., Columbus—See "Sewers."

O., Dayton — Mar. 17, by Comrs. Montgomery Co., one 50 ft. span rein.-con. arch highway bridge, 120 ft., on Harshmanville Rd. $25,000. W. O. Pease, Dayton, co. surv.

Illinois—Mar. 16, by Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, two 39 ft. and one 31 ft. span rein.-con. girder bridge, on Route 1, Sect. 37-V, Johnson Co.; one 50 ft. span rein.-con. girder bridge, one 140 ft. span rein.-con. substructure and three 50 ft. and two 35 ft. rein-con. girder spans, Route 8, Sect. 44-C, Knox Co.; two 150 ft. span rein.-con. substructure and ten 50 ft. rein.-con. girder spans, Route 9, Sect. 39-D, Fulton Co.; six 10 ft., two 9 ft. and nine 12 ft. rein.-con. culverts and one 25 ft. rein.-con slab bridge, Route 9, Sect. 46-B, Vermilion Co.; one 30 ft., one 50 ft. and three 40 ft. rein.-con. girder, and one 20 ft. rein.-con. slab bridges, one 170 ft. rein.-con. substructure and twenty-five 50 ft. rein.-con. girder spans, Route 12, Sect. 1-B, Lawrence Co.; two 63½ ft. span rein.-con. girder bridge, Route 19, Sect. 86-D, Cook Co.; four 45 ft. span rein.-con. girder bridge, Route 22, Sect. 15-B, Will Co.; two 20 ft. span rein.-con. bridge, and one 14 ft. rein.-con. slab extension, Route 27, Sect. 15-B, Carroll Co.; two 45 ft. span rein.-con. girder bridge, Route 27, Sect. 16-B, Ogle Co.; one 120 ft. span rein.-con. substructure, five 30 ft. rein.-con. girder spans and approaches and five 30 ft. span rein.-con. girder bridge, Route 4, Sect. 29-U, Bureau Co.; one 30 ft., one 40 ft. and one 60 ft. span rein.-con. girder bridge, Route 45, Sect. 1-B, La Salle Co.; two 168 ft. span steel superstructure, 476,930 lb. structural steel, Route 5, Sect. 15-C, Winnebago Co., one 37 ft. span steel superstructure, 205,770 lb. structural steel, Route 7, Sect. F-2, Will Co.; one 140 ft. span steel superstructure, 154,350 lb. structural steel, Route 8, Sect. 44-C, Knox Co.; two 150 ft. span steel superstructure, 320,500 lb. structural steel, Route 9, Sect. 39-C, Fulton Co., one 170 ft. span steel superstructure, 205,770 lb. structural steel, Route 12, Sect. 1-C, Lawrence Co.; one steel superstructure, 118 lb. structural steel, Route 4, Sect. 29-U-1, Bureau Co.; seven 55 ft. span plate girder bridge, 621,560 lb. structural steel, and one 6 ft. rein.-con. culvert extension, Route 46, Sect. A-2, Cook Co. F. T. Sheets, ch. engr.

Wis., Manitowoc—Mar. 2, by City, A. H. Zander, city clk., for preliminary plans and estimates for double leaf bascule bridge over Manitowoc River, at 8th St. $200,000. Engineer not selected. Noted Feb. 19.

Tex., Anderson—Mar. 3, by O. A. Seward, Jr., engr. Grimes Co., Box 271, bridges on Plantersville Rd. Dist., $40,000; 8,193 ft. bridge lumber 672 ft. creosoted timber piling, etc., for bridges on Stoneham Rd. Dist., $30,000.

Tex., Eagle Pass — See "Streets and Roads."

Oklahoma—Mar. 3, by State Hy. Dept., Oklahoma City, five 211 ft. spans, 2,100 ft. steel bridge, 67,000 tons reinforcing near Bedford, Pawnee Co. $240,000. J. M. Page, highway engr. Noted Feb. 19.

California—Mar. 16, by State Hy. Comn., Sacramento, one 200 ft. fixed steel, one 124 ft. steel bascule, and eight 26 ft. rein.-con. girder approach span bridge, 24 ft., over San Joaquin River, near Mossdale, San Joaquin Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

California—Mar. 9, by State Hy. Comn., Sacramento, one 36 ft., two 42 ft. and two 20 ft. span, rein.-con. girder bridge over Salt Creek, about 6 mi. south of Antier, Shasta Co. R. M. Morton, Sacramento, highway engr.

BIDS RECEIVED

Tex., Barstow—Ward Co., 193 ft. steel truss and concrete girder bridge over Pecos River, 36,398 lb. reinforcing, etc., from Brown-Abbott Co., Inc., Wilson Bldg., Dallas, $28,998. Engrs. est. $25,000. Noted Feb. 5 under "Streets and Roads."

Calif., Eureka—F. M. Kay, clk. Humboldt Co., Feb. 11, rein.-con. bridge over Van Duzen River at Bridgeville, from Mercer-Fraser Co., Eureka, $19,079; 2 rein.-con. bridges over Van Duzen River at Blackburn Grade Cutoff, 1 between Sta. 26 and 31, and other between Sta. 150 and 156, from McKay-Schruth Eng. Co., Railway Bldg., Los Angeles, $23,347 each. Noted Feb. 5.

CONTRACTS AWARDED

Fla., Sarasota—Sarasota Co., 55 ft. clear opening steel draw span bridge at Blackburn Point, 60 lin.ft., concrete trestle, 560 lin.ft. concrete piles, 23,000 cu.yd. dredged embankment, 3,500 lin.ft., cypress bulkhead, etc., to Champion Bridge Co., (H. C. Quinn, southern representative), Ft. Lauderdale, $45,000.

Fla., Sarasota—Sarasota Co., 55 ft. clear opening steel draw span bridge at Stickney Point, 11,000 cu.yd. dredged embankment, 140 lin.ft. concrete trestle, 560 lin.ft. concrete piles, 35 cu.yd. concrete and 800 lin.ft. cypress bulkheads, etc., to Champion Bridge Co., (H. C. Quinn, southern representative), Ft. Lauderdale, $40,000. Noted June 5.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridge on Route 36, Sect. 8-B, Adams Co., to A. Olson Constr. Co., Waterloo, Ia., $28,309; and bridge on Route 36, Sect. 8-C, Adams Co., to Vincennes Bridge Co., Vincennes, Ind., $14,975. Noted Nov. 20.

Missouri—State Hy. Dept., Jefferson City, to Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, nineteen 20 ft. rein.-con. slab spans, etc., over overflow of Medicine Creek, $27,369, one 80 ft. steel truss span, four 20 ft. I-beam spans, etc., over Medicine Creek, $15,728, one 80 ft. steel truss and four 30 ft. I-beam spans, etc., over Medicine Creek D. D., $19,496, (state to furnish material on above), two 10 ft. rein.-con. slab spans, etc., over stream, $2,173, all Livingston Co.; to Thomas & Johnson, Doniphan, three 20 ft. and four 24 ft. rein.-con. slab spans, etc., over stream, Shannon Co., $16,598; to A. A. Davis, Gr. Exch., Oklahoma City, Okla., one 80 ft. rein.-con. arch span, etc., over Bear Creek, $10,420, one 20 ft. rein.-con. arch span, etc., over Ervin Creek, $3,223, both Polk Co.; to J. P. Harlin, West Plains, three 35 ft. rein.-con. deck girder spans over Piney Creek, $6,507, three 18 ft. rein.-con. slab spans, etc., over Culp Branch, $3,436, both Oregon Co.; to F. T. O'Dell, New London, one 80 ft. steel truss span, etc., over Sugar Creek, Lewis Co., $12,641; to N. A. Christy, Warsaw, one 130 ft. steel truss span, etc., over Bear Creek, Cedar Co., $8,813. Noted Feb. 19.

Tex., Brownsville—W. O. Washington, engr. Cameron Co., 300 ft. steel and concrete bridge across Arroyo Colorado, to Dodds & Wedegartner, San Benito, $57,436. Noted Feb. 5.

Tex., Seymour—See "Streets and Roads."

Wash., Tacoma—Comrs. Pierce Co., 371 ft. span bascule type, steel bridge, 20 ft., with 6 in. concrete floor, across Puyallup River, at Meridian St., to Puget Sound Bridge & Dredging Co., Central Bldg., Seattle, $77,200. Engrs. est. $82,000. Noted Jan. 29.

Dams

PROPOSED WORK

Okla., Tonkawa—See "Waterworks."

Idaho, Lewiston—Plans election $1,200,000 bonds, for dam across Clearwater River, 4 mi. above confluence of Clearwater and Snake Rivers; also hydro-electric power plant to develop power from above dam.

CONTRACTS AWARDED

B. C., Vancouver — British Columbia Electric Ry. Co. Ltd., 425 Carroll St., 1,000 ft. dam, 62 ft. high, 400 ft. at base, at Alowette Lake, 150,000 cu.yd. earth fill, to Pacific Engineers, Ltd., 744 Hastings St. W., $300,000.

Railways

PROPOSED WORK

Pennsylvania—Cambria & Indiana R.R., 260 South Broad St., Phila., Pa., takes bids about Apr. 13, 5 mi. railroad to Melva Coal Co. holdings, also bridge over grade at Ebensburg. C. H. Jenks, Ebensburg, ch. engr.

Oklahoma — Oklahoma R.R. Co., Terminal Bldg., Oklahoma City, made plans 2 new sub stations, new terminal station, 1.5 mi. grade revision and new automatic block signal system, in Guthrie. $100,000. G. B. Treat, ch. engr.

CONTRACTS AWARDED

Texas—Turning Basin Navigation Dist., H. L. Washburn, aud. Harris Co., Houston, 3,000 ft. railroad to connect main line of railroad to proposed site grain elevator in Houston, to W. A. Smith, Electric Bldg., Houston, $20,000.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Mass., Barnstable — Commonwealth of Massachusetts, State House, Boston, plans dredging in Lewis and West Bays, here. $25,000 or more. W. F. Williams, Dept. Pub. Wks., Boston, comr.

Mass., Harwich — Commonwealth of Massachusetts, State House, Boston, plans dredging in Herring River and dredging and jetty work in Witchmere Harbor, here. $25,000-$30,000. W. F. Williams, Dept. Pub. Wks., Boston, comr.

Ia., Marengo—D. D. 10, c/o Clerk Marengo Co. making preliminary plans straightening Bear Creek and building levee, drainage ditches, etc. $20,000.

Neb., Lincoln—See "Unclassified."

Texas — Medina Co. (Hondo), Atascosa Co. (Jourdanton) and Bexar Co. (San Antonio) election Apr. 1, $2,500,000 bonds for 43,000 acres irrigation. C. W. McNear Co., 76 West Monroe St., Chicago, backing proposition. Address State Engineering Dept., Austin, engrs. Noted Feb. 5.

Tex., Dallas — Bois d'Arc Levee Dist., Kirby Bldg., c/o W. P. Dumas, atty., soon takes bids new levee district in Dallas Co. $250,000 bonds voted. T. C. Forrest, Jr., Waxahachie, engr. Noted Jan. 29.

Nev., Carson City—Plans election $245,000 bonds, constructing approximately 50 mi. drainage canals, for Truckee-Carson Irrigation Dist.

Excavation, Drainage, Irrigation, Levees (Continued)

BIDS DESIRED

Ill., Jacksonville — Mar. 3, J. F. Steinberg, E. Roegge and J. W. Duvendack, comrs. Willow Creek D. D., Morgan Co., enlarging main ditch, Blue Pond Lateral Ditch and West, East and South Laterals, 115,543 cu.yd. excav. and three 30 in. corrugated iron sluiceways with automatic gates. Jacksonville Eng. Co., Jacksonville, engrs.

Ia., Pocahontas — Mar. 17, by Bd. Supervs. Pocahontas Co., completing D.D. 121, 14,041 lin.ft. 14- to 30-in. tile, etc. R. A. Johnson, co. aud.

Okla., Marlow — Mar. 20, by Clerk Stephens Co., straightening Little Beaver Creek, 7.5 mi. southwest of Grady Co. line, to reclaim 2,600 acres, 370,000 cu.yd. excav., 68 cu.yd. rein.-con. for bridge abutments, for Little Beaver D.D. 1. $40,000. H. J. Wilkins, 227 West Grand St., Oklahoma City, engr.

Calif., Los Angeles—See "Sewers."

CONTRACTS AWARDED

Fla., Moore Haven—Bd. Supervs. Diston Island D. D., Glades Co., 800,000 cu.yd. earth and 200,000 cu.yd. marl excav. in main canals, 100,000 cu.yd. earth excav. for dykes, 12 mi. 6 x 12 ft. lateral canals, 60 mi. old lateral canals deepened and widened, to Walb Constr. Co., La Grange, Inc., $174,600. Noted Nov. 13.

Fla., St. Petersburg — Dredging Bayboro Harbor, to Duluth Superior Dredging Co., ft. of 45th Ave., Duluth, Minn., $141,790. Noted Dec. 18.

La., Shreveport—Caddo Levee Bd., excavation for 4½ mi. channel connecting Dough Slough and Cash Point Canal, to Douglas, Buchanan & Crow, Merchants Bldg., $30,000.

Okla., Marlow — Rush Creek D.D. 3, Grady Co., dredging and straightening portion of Rush Creek to reclaim 800 acres, 245,000 cu.yd. excav., etc., to Stephens Co. Constr. Co., Marlow, $34,719. Engrs. est. $36,000.

Calif., Los Angeles—For 126,400 cu.yd. cut on Beacon St., to Channel Constr. Co., Bank of Italy Bldg., $62,370.

Streets and Roads

PROPOSED WORK

Massachusetts — Dept. Pub. Wks., Div. Highways, Boston, plans extending Lynn Fells Parkway from Bellevue Ave. in Melrose to Lynn. To exceed $25,000. W. F. Williams, comr.

Mass., North Attleboro—Plans improving various streets. $38,900. W. W. Staples, supt. Dept. Highways. Engineer not selected.

N. Y., Schenectady—Made plans widening and granite block repaving State St. between Lafayette and Erie Sts. $250,000. G. Howard, city engr.

Md., Baltimore — Making plans sheet asphalt paving Sequoia, Dolfield, Wabash and Dukeland Aves. $40,000, Lancaster and Wolfe Sts. $65,000, Highgate Dr., Lyndhurst Rd., Longwood, Prestman, Presbury and Rosedale Sts., Mayfield, Bryant and Whittier Aves. $120,000; macadamizing 12 streets in new development called Homeland, $160,000. S. Rowland, acting chn. Paving Comn., 210 East Lexington St.

North Carolina — State Hy. Comn., Raleigh, (**S. P. means State Project**) making plans concrete or asphaltic paving 6.523 mi. S. P. 161, 18 ft., Nash Co. $206,000, 6.25 mi. S. P. 297, 18 ft., Wilson Co. $198,000, 10,768 mi. S. P. 215, 16 ft., Craven Co. $303,000, 5.925 mi. S. P. 331, Columbus Co., 18 ft. $189,000, 12.61 mi. S. P. 720-C, 16 ft. $354,000, 9.6 mi. S. P. 660, 18 ft. $304,000, 16.965 mi. S. P. 915, Cherokee Co. $325,000; grading, etc. 6.568 mi. S. P. 487-A, Wake Co. $46,000, 10.194 mi. S. P. 824, Cleveland Co. $70,000; grading and topsoiling 11.78 mi. S. P. 581, Randolph Co., $82,000. C. M. Upham, Raleigh, engr.

Fla., Eagle Lake—Election Mar. 3, $80,000 bonds paving various streets. D. M. Delk, city clk.

Fla., New Smyrna—Voted $320,000 bonds paving various streets. M. Patton, city mgr.

Fla., Sarasota — Sarasota Co., returned all road paving proposals to bidders. Will readvertise. C. S. Wadsworth, Sarasota, co. engr. Noted Dec. 18.

Ala., Florence — Plans surfacing, etc. various streets, probably asphalt, also storm and sanitary sewers in various parts of city.

Ala., Decatur — City Clerk takes bids about May 1, asphalt on concrete surfacing 5th Ave. W., Davis and Line Sts. $50,000. Address city engineer.

Miss., Pass Christian — Making preliminary plans grading, hard-surfacing, etc. various streets. $25,000.

Miss., Ripley — Tippah Co. election in March, $300,000 bonds, constructing various roads.

Miss., Woodville—Wilkinson Co., making preliminary plans grading and gravel surfacing 30 mi. Woodville-Louisiana Rd., Ft. Adams, Lower Natchez, and Perry Creek Rds. Plans election $100,000 bonds for same.

O., Akron — Summit Co. takes bids in spring, hardsurfacing 1.1 mi. Swartz Corners-Turkey Foot Rd., $33,000; probably macadam paving 0.7 mi. South Main St., $25,000; improving 0.72 mi. Barberton-Greenwich Rd., $60,000; and 1.8 mi. Cuyahoga Falls-Magadore Rd., $63,000; brick, concrete or macadam paving 2.58 mi. Richfield-Hudson Rd., $111,000, all foregoing 14 ft.; brick paving 0.68 mi. Kenmore-Magadore Rd., 16 ft., $68,000; slag gravel surfacing 0.12 mi. East Akron-Brimfield Rd., $25,000, 2.73 mi. Monroe Falls-Kent Rd. $27,500, and 4.3 mi. Clinton-Cornet Rd. $48,000, all foregoing 14 ft. R. E. Willems, city engr.

O., Alliance—Bd. Control takes bids in spring improving Overlook Dr. $31,000, and Milton St. $81,000, property owners to appropriate $57,944 toward cost of latter project. H. Anderson, Alliance, engr.

O., Cleveland — Cuyahoga Co., plans brick paving State Rd., $398,000; and 3 mi. St. Clair Ave., $609,000. F. Lander, Court House, engr.

O., Cleveland Heights (Warrensville P. O.)—L. Heister, 730 Bulkley Bldg., Cleveland, making plans and takes bids in spring grading, laying sidewalks, sewers and water mains in Cedar and Brainard Rds., here. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Columbus — Making plans grading, laying water services and sewer connections, and paving 3,696 ft. Chapel St., Linden, Myrtle and Hinman Aves., 24 ft., brick $74,125, asphalt $60,502; 1,350 ft. Capitol St., alleys north Wilbur and 2nd Aves. and 2nd alley west of Galloway Ave., 20 ft., brick $24,927, asphalt $22,091; 12,098 ft. Broad St., 60 ft., asphalt $81,280; 909 ft. Gay St., 19.5 ft., asphalt $15,261; 913 ft. alley north of Rich St., 30 ft., brick $21,754, concrete $10,234; 373 ft. Hudson St., 36 ft., brick $6,043, asphalt $4,497; 3,381 ft. Reinhard Ave., 30 ft., brick $52,110, asphalt $40,442. R. H. Simpson, city engr.

O., Lisbon—Columbiana Co. takes bids in spring, grading and paving 3 mi. East Liverpool-East Palestine Rd., 34 ft. $30,000. L. C. Kirk, Lisbon, engr.

O., Medina—Takes bids in spring, resurfacing East Washington St. $28,000, and West Liberty St. $26,000. I. R. Ault, Medina, engr.

Ind., Bloomington—Monroe Co. plans concrete paving 13,200 sq.yd. Shields Rd. $25,000. H. Chestnut, Bloomington, engr.

Ind., Indianapolis—Marion Co. plans concrete paving 15,206 sq.yd. Kassebaum Rd. $56,800; 17,730 sq.yd. Williamson Rd. $54,295, 28,406 sq.yd. Fitch Rd., $116,327, 25,555 sq.yd. McGregor Rd. $82,437, 16,938 sq. yd. Beasley Rd. $54,077; asphaltic macadam paving 22,704 sq.yd. Esmon Rd. $77,000; asphaltic concrete paving 26,716 sq.yd. Duval Rd. $97,013. G. Schmidt & Co., 1407 Fidelity Trust Bldg., Indianapolis, civil engr.

Ind., Vincennes—Knox Co. plans grading and crushed stone surfacing 5.324 mi. Borgenmeier Rd., 24 ft. $53,353. W. D. Hanlon, Vincennes, engr.

Ind., Terre Haute — Vigo Co. plans concrete paving 25,344 sq.yd. Sherburne Rd. $62,512. R. E. Givens, Terre Haute, engr.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rejected bids Dec. 17, grading Route 33, Sect. 3-A, Jasper and Crawford Counties. F. T. Sheets, ch. engr. Noted Dec. 4.

Ill., Alton—City Clerk takes bids about Mar. 11, 6 in. rein.-con. surfacing 828 sq.yd. Augusta St., $3,718, 6 and 7 in. rein.-con. surfacing 2,058 sq.yd. Pearl and Osage Sts., $8,857; vitr. brick on concrete surfacing 9,171 sq.yd. Brown St., $43,106, 9,230 sq.yd. Burton St., Evergreen, Park and Worden Aves. $43,920, 1,300 sq.yd. Hunter Court $5,010, 1,640 sq.yd. Sidney St. $7,794, 1,943 sq.yd. Sanford St. $9,084; sanitary sewers in Hunter Court Sanford Ave. and Sidney St., $5,172. J. E. Schwaab, City Hall, engr.

Ill., Dwight — Making plans paving various streets. $30,000. Consoer, Older & Quinlan, Marquette Bldg., 140 South Dearborn St., Chicago, consult. engrs.

Ill., Edwardsville—Takes bids about Mar. 10, grading, curbing, guttering, sidewalks and concrete paving, Myrtle Ave. Dist. $31,000. Sheppard & Morgan, Edwardsville, engrs.

Ill., Madison—Takes bids in April or May, grading, curbing and 7 in. concrete paving 4,360 sq.yd. East 3rd St. Sheppard & Morgan, Edwardsville, engrs. Noted Aug. 21.

Ill., Morris—Making plans paving various streets. $170,000. Consoer, Older & Quinlan, Marquette Bldg., 140 South Dearborn St., Chicago, consult. engrs.

Ill., Northbrook — Making plans paving various streets. $85,000. Consoer, Older & Quinlan, Marquette Bldg., 140 South Dearborn St., Chicago, consult. engrs.

Ill., Tishilwa — Making plans paving various streets. $35,000. Consoer, Older & Quinlan, Marquette Bldg., 140 South Dearborn St., Chicago, consult. engrs.

Wis., Appleton—E. L. Williams, city clk., made plans and soon takes alternate bids two course rein.-con., vitr. brick, sheet asphalt, vibrolithic or Warrenite paving 60,000 sq.yd. Cherry, Richmond, Lawe, Meade, John, Lawrence, Drew, Bateman, Ida and Appleton Sts. To exceed $25,000. R. M. Connelly, City Hall, engr.

Wis., Green Bay—W. L. Kerr, city clk., soon takes bids improving St. Clair, St. George, Allard, Cass, Cedar, Eliza, Jefferson, Quincey, Roosevelt, Stuart and Chestnut Sts., 15,000 cu.yd. excav., 26,355 ft. Combination curb and gutter, 40,313 sq.yd. rein.-con., vitr. brick, sheet asphalt, asphaltic concrete, Warrenite and vibrolithic concrete paving. A. E. Kringel, City Hall, engr. Noted Jan. 1.

Wis., Manitowoc—A. H. Zander, city clk., soon takes bids grading and rein.-con. paving 12,798 sq.yd. New York Ave., 3,561 sq.yd. South 14th St., and 25,625 sq.yd. Marshall St. To exceed $25,000. F. Alter, City Hall, engr. Noted Jan. 1.

Ia., Madrid—Plans surfacing, etc., 10 to 15 blocks various streets. $40,000-$50,000. W. E. Buell & Co., 305 Davidson Bldg., Sioux City, engrs.

Ia., State Center — Plans grading, curbing, guttering and concrete, brick or asphaltic concrete paving approximately 10,000 sq.yd. various streets. Brown & Cook, Ottumwa, engrs.

Minn., Hibbing — Plans probably one course concrete paving 2 mi. various streets. $60,000. J. R. Rose, city engr.

Kan., Pittsburg — Made plans grading, brick on concrete, asphalt on concrete or asphaltic concrete surfacing Carlton, 18th., Washington, Joplin, Williams, Olive, Jackson, Short, 2nd, 5th and 6th Sts. L. D. Cornelius, city engr.

Kan., Pittsburg—Making plans re-paving and widening Bway. $50,000. L. D. Cornelius, Pittsburg, engr.

Kan., Wichita—Soon takes bids grading and surfacing 7 blocks various streets. $50,000. P. L. Brockway, City Bldg., engr. Noted Dec. 4.

S. D., Vermillion — Plans 50,000 sq.yd. various streets. $175,000. C. I. Vaughn, city aud.

Mo., Clayton — St. Louis Co. making preliminary plans grading, curbing and macadam or concrete paving 1.125 mi. Hanley Rd., 30 ft. $75,000. Keck Surveying Co., 721½ Chestnut St., St. Louis, engrs.

Ark., Little Rock—Takes bids about Mar. 1, improving roads in Dists. 404 and 405, 10,000 cu.yd. excav., 10,000 ft. curb and gutter, 12,000 sq.yd. asphalt, Warrenite or concrete surfacing. $65,000. A. M. Lund, Southern Trust Bldg., engr.

Tex., Albany—Shackelford Co. takes bids after Mar. 1, grading and bridging 12.81 mi. road from Albany to Stephens Co. line, State Highway 1A, Federal Aid Project 6. $75,000. J. E. Pirie, Albany, engr Noted Feb. 27.

Tex., Alpine—Brewster Co., soon takes bids grading and bridging 5.13 mi. State Highway 3, Federal Aid Project 378-E. 26 ft. $49,000. A. L. White, Alpine, co. engr.

Tex., Beaumont—Election Feb. 28, $150,000 bonds paving various streets. R. C. Black, city engr. Noted Jan. 29.

Tex., Carthage—Panola Co. making plans grading, gravel surfacing and bridging 14 mi. State Highway 8, 16 ft. $140,000. Titus & Dillon, Carthage, co. engr.

Streets and Roads (Continued)

Tex., Corsicana — J. Harper, city secy. soon takes bids asphaltic concrete paving about 12,000 sq.yd. various streets. $35,000. W. McClendon, City Hall, engr.

Tex., El Paso—El Paso Co. rejected bids grading and surfacing, etc., 15.62 mi. State Highway 1, Federal Aid Project 439-E, 17 and 30 ft. $403,740. Will readvertise. Noted Jan. 22.

Tex., Jefferson—Marion Co. making plans 2½ in. asphalt on 4 in. gravel surfacing 3.56 mi. State Highway 8, Federal Aid Project 306-A, 16 ft., $44,500; and 2½ in bituminous on gravel surfacing 7.57 mi. State Highway 8, Federal Aid Project 306-C, 16 ft., $73,000. T. B. Warden, Jefferson, co. engr.

Tex., Seymour—Baylor Co. making plans grading, asphaltic macadam surfacing and bridging 20 mi. State Highway 24, 18 ft. $407,000. J. G. Rollins, resident engr.

Tex., Seymour—Baylor Co. making plans improving 33 mi. Federal Aid Project 454, 16 and 18 ft. $656,800. J. G. Rollins, Seymour, co. engr.

Tex., Seymour — Baylor Co. takes bids after Mar. 1, asphaltic macadam paving 13.68 mi. State Highway 30, Federal Aid Project 452A, 18 ft. $170,000. J. C. Rollins, Seymour, co. engr.

Tex., Victoria—S. S. Sitterle plans election soon $35,000 bonds, paving various streets, Uvalde rock asphalt on concrete.

Okla., Blackwell—Plans grading, widening and vertical fibre brick surfacing 5,550 sq.yd. East Blackwell Ave. $27,600. W. Ritzhaupt, Jr., Blackwell, engr.

Okla., Checotah — Plans grading and vertical fibre brick surfacing 4,900 sq.yd. LaFayette St. $26,000. T. P. Clonts, 2110 Garland St., Muskogee, engr.

Okla., Cordell — Voted $65,000 bonds, grading and surfacing 10 blocks Main, Market and College Sts., 60 ft. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Lawton — Comanche Co. election Mar. 10, $400,000 bonds, graveling 100 mi. various roads, 18 ft.

Okla., Oklahoma City—Soon takes bids 2 course Willite asphalt surfacing Randolph St. from 16th to 19th Sts.; 2 course 8 in. gravel surfacing, etc., 14th St. from Drexel to Independence Sts., and Poplar St. from Central to Oklahoma Aves. B. M. Hart, City Hall, engr.

Okla., Stigler — Defeated $30,000 bonds grading and surfacing 5 blocks Main St., 40 ft. T. P. Clonts, 2110 Garland Bldg., Muskogee, engr.

Colo., Denver — Plans during 1925, concrete paving 72 blocks in Alley Paving Dists. 118, 120, 121, 122, 123 and 124, $153,803; grading, curbing and surfacing ¾ mi. sq. South Denver Dist. 21, $149,000, and ¼ x ¾ mi. Montclair Impvt. Dist. 2, $118,000. A. K. Vickery, City Hall, engr.

Wash., Goldendale—Comrs. Klickitat Co. rejected bids grading, etc. 6¾ mi. Husum-Trout Lake Rd. $25,000. Work will probably be done by day labor. C. W. Spaulding, Goldendale, engr.

Wash., Seattle — Made plans paving Aurora Ave., et al. $81,000; North and West 78th Sts. $39,000; Whitman Ave., et al. $42,000; North and East 40th Sts. $165,000; North 46th St. $215,000. J. D. Blackwell, city engr.

Wash., Seattle—King Co. making plans paving 7.5 mi. road, $225,000; and soon takes bids paving 2.5 mi. Lake Burien Highway, $75,000. T. R. Beeman, Seattle, co. engr.

Wash., Tacoma — Made plans filling, straightening, riprapping and paving 20 ft. roadway on North Front St., et al. $390,000. J. C. Manley, 1409 South 9th St., Tacoma, engr.

Calif., Chico — Plans 68 blocks concrete sidewalks in Chapmantown Dist. To exceed $25,000. I. R. Morrison, city engr.

Calif., Compton — Made plans improving McKevitt Ave., Tucker, Willow Sts. etc., 75,990 sq.ft. sidewalks, 13,430 ft. curbing, 228,450 sq.ft. 5 in. concrete paving, 228,450 sq.ft. grading, etc. E. M. Lynch, Central Bldg., Los Angeles, engr.

Calif., Huntington Beach — Made plans concrete curbing, cement walks, 1½ in. asphaltic concrete Topeka surface on 3½ in asphaltic concrete paving, etc., portions of Palm Ave. To exceed $25,000. E. M. Billings, city engr.

Calif., Huntington Beach—Making plans 5 in. asphaltic concrete paving Orange Ave. between 11th and 23rd Sts. To exceed $25,000. E. M. Billings, City engr.

Calif., Lakeport — Plans approximately 6 in. vibrolithic concrete paving 200,000 sq.ft. various streets. R. E. Donohue, Ukiah, engr.

Calif., Los Angeles — Takes bids about Mar. 10, curbing, guttering, sidewalks and asphaltic concrete paving 10 blocks Murfield Rd., Temple Hill Dr., Armstrong Ave., 59th, Dracien and Roy Sts. To exceed $25,000. H. A. Norman, City Hall, engr.

Calif., Palo Alto—Making plans improving various streets, approximately 10,348 cu.yd. gravel, 5,174 cu.yd. sand, 17,619 bbls. cement, 8,210 ft. water, 3,968 ft. 2 and 4½ in. gas and 5,800 ft. sewer mains, 5,613 ft. 12 to 27 in. storm sewers 143 ft. 4 in. sewer connections, etc. J. F. Byxbee, city engr.

Calif., San Diego—Plans improving Garnet St., 2,632 lin.ft. concrete curbing, 13,208 sq.ft. cement sidewalks, 9,139 sq.yd. 5 in. concrete paving; 20th St., 1,508 lin.ft. concrete curbing, 1,130 sq.ft. cement sidewalks, 1.5 in. Warrenite wearing surface on 24,534 sq.yd. 2.5 in. asphatic concrete; Villa Terrace, 849 lin.ft. curbing, 3,261 sq.ft. cement sidewalks, on 14,358 sq.yd. 1.5 on 2.5 in. asphaltic concrete; Ketner Blvd., 6,022 lin.ft. curbing, 2,919 sq.ft. cement sidewalks, 1.5 in. asphaltic concrete wearing surface on 22,595 sq.yd. 5 in. concrete. F. A. Rhodes, City Hall, engr.

Calif., San Diego—Plans improving portions of Kettner Blvd., Portola Pl., Principle, Guy, Titus, Washington and McNealy Sts., 136,018 sq.ft. 5 in. concrete paving, 6,828 lin.ft. concrete curbing, 33,610 sq.ft. concrete sidewalks, 6,153 cu.yd. excav., etc.; also Kettner Blvd. and Ivy St., 203,039 sq.ft. 1.5 in. asphaltic concrete on 5 in. concrete, 2,919 sq.ft. concrete sidewalks, 6,022 lin.ft. concrete curbing, etc. F. A. Rhodes, City Hall, engr.

Calif., Santa Cruz — Santa Cruz Co., making plans macadam paving 1.5 mi. Beach Rd., and 1 mi. Aromas Rd. L. Bowman, Santa Cruz, co. surv.

Calif., Santa Rosa—Making plans grading, reconstructing waterbound macadam base to form 4 in. foundation and Willite process asphaltic concrete surfacing various streets. To exceed $25,000. P. Green, city engr.

Ont., Perth—Perth Co. plans concrete paving St. Marys Rd.; surface treating Sebringville and Stratford Sts.; also gravel maintenance on Mitchell, London and Blanshard Sts. $111,600.

BIDS DESIRED

R. I., East Providence (Providence P. O.) —Mar. 3, at office of Town Clerk, paving and granite curbing 5th, Purchase, James and John Sts. To exceed $25,000.

New York—Mar. 17, by A. W. Brandt, comr. highways, 55 Lancaster St., Albany, constructing highways in Allegheny, Clinton, Erie, Greene, Madison, Ontario, Steuben and Ulster Counties; also reconstructing highways in Erie, Herkimer, Monroe, Orange, Schenectady, St. Lawrence, Westchester, Yates and Orleans Counties; adv. E. N.-R. Feb. 26.

N. Y., Brooklyn — Mar. 6, by J. A. Guider, boro. pres., Boro Hall, restoring and repaving asphalt pavements damaged in connection with subsurface work.

N. Y., Brooklyn — Mar. 14, by J. A. Guider, boro. pres. Boro. Hall, paving Barbey, Bay 10th, East 10th, East 35th, Newport, West 37th, and 76th Sts., Bedford, Stone and 10th Aves.; grading Brooklyn Ave., East 10th, East 35th, 62nd, 65th, and 79th Sts.; curbing 73rd St., Dumont and New York Aves.; curbing and flagging East 9th St.; recurbing Gatlin Pl.

N. Y., New York—Mar. 5, by H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., granite block paving and repaving Park Ave. E., East Tremont and Webster Aves., grading, curbing, sidewalks, etc. Davidson and Grand Aves., bituminous concrete paving Grand Ave., West 174th, 175th and 176th Sts.

N. Y., St. George—Mar. 3, by J. A. Lynch, pres. Richmond Boro., Boro. Hall, bituminous concrete repaving Johnson Ave.

New Jersey—Mar. 16, by State Hy Dept., Trenton, grading and paving Route 5, Sect. 15, Essex and Union Counties, and Route 11, Sect. 8, Essex Co. A. L. Grover, secy.; adv. E. N.-R. Feb. 26.

Pennsylvania — Mar. 13, by Dept. Hys. Harrisburg, bituminous on concrete or rein.-con. surfacing 75 mi. 16 projects in 12 counties. W. H. Connell, engineering executive and deputy secretary of highways; adv. E. N.-R. Feb. 26.

Pa., Mt. Lebanon — Mar. 2, by Comrs. Mt. Lebanon, Twp. grading, curbing and 10, 100 sq.yd. paving Alfred St., Church, Lebanon and Clearview Aves.; also 18,300 sq.yd. paving Spaulding Circle, Longuevue and Woodhaven Drives. Douglass & McKnight, 912 Columbia Bank Bldg., Pittsburgh, twp. engrs.

Md., Baltimore—Mar. 4, by Bd. Awards, constructing concrete curb and combination concrete curb and gutter on various streets, during 1925. B. L. Crozier, City Hall, highway engr.

Md., Towson—Mar. 3, by Comrs. Baltimore Co., Courthouse, concrete paving 1 mi. Middleton Rd. and 1 mi. Graystone Rd. S. A. Green, Courthouse, road engr.

Virginia—Mar. 12, by State Hy. Comn., Capitol Sq., Richmond, bituminous macadam surfacing 2.2 mi. Moorefield-Hamlin Co. Rd., Route 113, Project S-327 Russell Co. and 14.51 mi. South Roanoke Rd., Route 33, Project F-118-D, Franklin Co., also bridge over Toots Creek, Route 18, Project F-36, Halifax Co. C. S. Mullen, ch. engr.; adv. E. N.-R. Feb. 26.

Va., Harrisonburg—Mar. 9, at office of Clerk Rockingham Co., grading and waterbound macadam surfacing 9,934 sq.yd. Keezletown Rd. between Keezletown to State Route 17.

Florida—Mar. 4, at office State Rd. Dept., Tallahassee, concrete, rein.-con., sheet or asphalt, bituminous macadam or bituminous concrete paving, etc. 12.1 mi. from Six Mile Creek South, Project 581 State Rd. 5, Hillsborough Co. J. L. Cresap, highway engr.

Louisiana—Mar. 12, by State Hy. Dept., Reymond Bldg., Baton Rouge, graveling 5.29 mi. State Project 386 B, Opelousas-Ville Platte Highway, St. Landry Parish. W. B. Robert, ch. engr.

O., Columbus—Mar. 3, by W. H. Duffy, dir. Pub. Serv., grading, laying water services and sewer connections and paving, 2,022 ft. 1st Ave., 34 ft., asphalt $19,951; 1,620 ft. Washington and Columbiana Aves., 24 ft., brick $28,932, asphalt $17,370; 3,330 ft. Champian Ave., 30 ft., brick $75,175, asphalt $61,964; 1,184 ft. Cliffside Dr., 18 ft., brick $17,183, concrete $13,943; 2,621 ft. alley north of Mithoff St., 18.42 ft., brick 5,775, concrete $5,129; 350 ft. alley north of 6th Ave., 16 ft., concrete $2,065; brick $2,292; also 950 ft. 8 in. vitr. sewer in alley north of Jason Ave., $2,000.

Illinois—Mar. 16, by Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete, vitr. brick or bituminous concrete, with or without binder course surfacing 6.5 mi. Route 1, Sect. 32, Saline Co., 6.86 mi. Sect. 28, 5.31 mi. Sect. 29, 3.25 mi. Sect. 30 and 3.01 mi. Sect. 31, Route 5, all Jo Daviess Co, 2.16 mi. Route 9, Sect. 37, Fulton and McDonough Counties, 5.28 mi. Sect. 38, 4.52 mi. Sect. 40, 3.47 mi. Sect. 41 and 2.56 mi. Sect. 41-D, Route 9, all Fulton Co., 11.18 mi. Route 22, Sect. 20, Lake Co., 8.6 mi. Sect. 3, and 10.5 mi. Sect. 4, Route 23, LaSalle Co., 5.01 mi. Sect. 29, and 7.16 mi. Sect. 30, Route 23, DeKalb Co., 6.48 mi. Route 23, Sect. 31, LaSalle and DeKalb Counties, 2.57 mi. Route 31, Sect. 10, Schuyler and Brown Counties, 4.66 mi. Sect. 11, 4.77 mi. Sect. 12, and 5.96 mi. Sect. 13, Route 36, Adams Co., 1.04 mi. Route 37, Sect. 11-X, Franklin Co., 0.22 mi. Route 37, Sect. 13-V, Williamson Co., 3.31 mi. Route 38, Sect. 2, Jersey Co., 4.4 mi. Route 39, Sect. 12, Pratt and Champaign Counties, 6.9 mi. Route 39, Sect. 13, Champaign Co., 6.1 mi. Route 43-A, Sect. 1, Menard Co., 0.29 mi. Route 3, Sect. P-4, LaSalle Co., all foregoing 18 ft.; grading 1.9 mi. Route 8, Sect. 50-A, 15,000 cu.yd. excav., Tazewell Co., 0.39 mi. Route 12, Sect. 1-A, 50,700 cu. yd. excav., Lawrence Co., 4.07 mi. Route 27, Sect. 16-A, 56,865 cu.yd. excav., Carroll and Ogle Counties, 6 mi. Route 33, Sect. 3-A, 83,855 cu.yd. excav., Jasper and Crawford Counties, 3.31 mi. Route 38, Sect. 2-A, 23,391 cu.yd. excav., Jersey Co. F. T. Sheets, ch. engr. Noted Feb. 12 and 19.

Kan., Wichita—Mar. 2, by City Clerk, asphaltic concrete surfacing, etc., 994 sq. yd. Bluff St., and 7,977 sq.yd. Green St.; concrete surfacing, etc., 8,007 sq.yd. Gilbert St.; sheet asphalt surfacing, etc., 8,476 sq. yd. Kellogg St. P. L. Brockway, city engr. Noted Dec. 4.

Minn., Owatonna—Mar. 3, curbing and rein.-con. paving 10,032 sq.yd. South Cedar St. $30,000. R. L. Van Nocker, city engr. Noted Feb. 19.

North Dakota — Mar. 4, by State Highway Dept., and Bd. Comrs. Wells Co., at Court House Fessenden, preparing subgrade and constructing earth shoulders, etc., on 11.25 mi. highway north of Hurdsville, Federal Aid Project 88, 15,414 cu.yd. loading, spreading gravel etc.

North Dakota—Mar. 5, by State Highway Comn., and Bd. Comrs. Stutsman Co., Jamestown, clearing, grubbing and grading etc. 57,634 cu.yd. highway east of Melville. Federal Aid Project 275.

North Dakota—Mar. 12, by State High Comn. and Bd. Comrs. Mountrail Co., at

Streets and Roads (Continued)

Court House, Stanley, improving 6.016 mi. Federal Aid Project 258B, Mountrail Co., 42,113 cu.yd. earth and 900 cu.yd. rock excav., etc.

North Dakota—Mar. 24, by State Highway Comn. and Bd. Comrs. Mountrail Co., at Court House, Stanley, clearing, grubbing and grading, 35,361 cu.yd. Federal Aid Project 277, south of Parshall, and 47,282 cu.yd. Federal Aid Project 248B, south of Stanley.

Mo., Clayton—St. Louis Co. takes bids about Mar. 10, grading, curbing and 8 in. rein.-con. paving 7,505 sq.yd. Forsythe, Carondelet, Central and Meramec Sts. Keck Surveying Co., 721½ Chestnut St., St. Louis, engrs.

Tex., Eagle Pass — Mar. 12, by W. O. Fetch, judge Maverick Co., grading and bridging 12.09 mi. State Highway 85, Federal Aid Project 569-A, 26 ft., $54,400; 11.96 mi. State Highway 85, Federal Aid Project 569-B, 26 ft., $62,750. C. E. Wright, co. engr.

Tex., Hebbronville—Mar. 10, by A. K. Brumfield, judge Jim Hogg Co., grading, caliche surfacing, etc., 5.49 mi. State Highway 12-A, Federal Aid Project 436-G, 18 ft., $25,000; and 3.4 mi. State Highway 12-A, Federal Aid Project 424-H, 18 ft. $27,000. E. J. Foster, 201 Valdez Bldg., engr.

Tex., Waco—Mar. 10, by E. E. McAdams, city mgr., improving Bosque Blvd., Concord, Lasxee and Washington Sts., etc., 88,195 sq.yd. concrete, 7,984 sq.yd. 2 in. asphalt macadam, 19,744 lin.ft. curbing, 43,000 lin. ft. gutter, etc. $225,000. V. G. Koch, city engr.

Oklahoma—Mar. 3, by State Hy. Dept., Oklahoma City, grading, etc., 79,792 cu.yd. Nowata-Coody Bluff-Alluwe Rd. $63,890. J. M. Page, Capitol, Bldg., highway engr.

Nev., Reno—City Council taking bids and opens same about Mar. 9, 700,000 sq.ft. 1.5 in. asphaltic concrete on 3.5 in. asphaltic concrete paving various streets. H. Chism, city engr.

Wash., Kelso — Mar. 5, by City Comn., grading, gravel surfacing, concrete sidewalks, etc., North Kelso, L. I. D. 75. C. M. Thomas, Kelso, engr.

California—Mar. 16, by State Hy. Comn., Sacramento, widening and concrete paving 11.6 mi. roads in San Joaquin Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., Mountain View—Mar. 3, by Town Trustees, improving various streets, 495,800 sq.ft. 1.5 Warrenite-bituminous on 2.5 in. asphaltic concrete, 15,351 cu.yd. grading, 3,108 ft. 12 in. segmental corrugated iron culverts, etc. C. C. Kennedy, Call Bldg., San Francisco, engr. Noted Jan. 22.

BIDS RECEIVED

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., Feb. 19, grading and concrete paving Hylan Blvd., from J. Johnson Sons, 455 Bway., West New Brighton, $285,313. Noted Feb. 12.

O., Cleveland — Cuyahoga Co., paving Chardon Rd., from Ohio Constr. Co.; Hunkin-Conkey Bldg., concrete $99,735; from F. B. Stein, Euclid, brick $124,117, and bituminous concrete $'11,748. Engrs. est. $142,500. Noted Jan. 22.

Ind., Noblesville—Hamilton Co. hardsurfacing 2.5 mi. McKinney Rd., 18 ft., from C. Williams, Lebanon, $64,400. Engrs. est. $85,000.

Ind., Terre Haute — Vigo Co., concrete paving 32,736 sq.yd. Jackson Highway, from J. P. Welch, 815 South 5th St., $61,310, engrs. est. $76,012; hardsurfacing 3 mi. Erickson Rd., from Peerless Constr. Co., Terre Haute, $73,801, engrs. est. $98,625. R. E. Givens, engr.

Ind., Wabash — Wabash Co., concrete paving 12,672 sq.yd. La Salle Rd., and 11,616 sq.yd. Dare Rd., from Pike Constr. Co., Wabash, $27,460 and $26,490 respectively. Engrs. est. $32,000 and $30,000, respectively. Noted June 19.

Ill., Galesburg—Bd. Local Impvts., Feb. 2, grading and vitr. brick surfacing, etc., 6,496 sq.yd. East Knox St., from H. H. Gunther, 600 East Main St., $25,792, engrs. est. $27,533; 3,940 sq.yd. Barren St., from Graham-King Constr. Co., 550 South Cedar St., $15,990, engrs. est. $17,145. Noted Feb. 12.

Wis., Waupun — Bd. Pub. Wks., G. E. Mallory, chn., Feb. 17, paving, etc. 14,637 sq.yd. various streets, from L. C. Christianson, Cambridge, vibrolithic concrete at $2.48 per sq. yd., total $49,992; from J. Rassmussen & Sons Co., foot of 7th St., Oshkosh, asphaltic concrete $2.75, total $54,578; from Gen. Constr. Co., 1222 Plymouth Bldg., Minneapolis, Minn., warrenite bitulithic $3.12, total $63,111. Noted Feb. 5.

Neb., Omaha—Paving, curbing and guttering roads in 28 districts, from Natl. Constr. Co., 310 Arthur Bldg., asphaltic concrete on 6 in. base at $2.23 per sq.yd.; from J. C. Redd, 2560 Mary St., brick on 6 in. base $3.38; from J. Kerns Constr. Co., 1809 Dodge St., sheet asphalt on 6 in. base $2.51. Engrs. est. $350,000.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Feb. 17, surfacing 14th St. viaduct, 4,870 sq.yd. Willite, from Central Paving & Constr. Co., 6161 Maple Ave., $7,305; wood block, granite on concrete surfacing, granite sidewalks, etc., from F. A. Stiers, 4500 Enright St., $40,475. Noted Jan. 22.

Tex., Barstow—Ward Co., grading, gravel surfacing and bridging 4.61 mi. State Highway 1, Federal Aid Project 391-B, 16 ft., from King Constr. Co., Dallas, $94,208. Engrs. est. $88,250. Noted Feb. 5.

CONTRACTS AWARDED

N. J., Dover—Randolph Twp. Com. constructing Sect. 2, Dover-Mt. Freedom Rd., Sussex Co., to Knight Constr. Co., Morristown, $35,000.

N. J., Hammonton—Bd. Freeholders Atlantic Co. (Atlantic City), paving Central Ave., to T. Tobish, Amer. Mechanic Bldg., Trenton, $26,742.

Pa., Phila. — Bureau Hys., Dept. Pub. Wks., to Root Bros., Ridge Ave. and Righter St., grading Daniel St. $1,405, to T. L. Flanagan, 531 East Girard St., Foulkrod St. $5,033, Hellerman St. $2,748, from Dewees Bros., 5th St. and Firber Ave., Wagner St. $591; to Mack Paving & Constr. Co., Nicetown Lane & Luzerne Sts., asphalt paving 16th St. $7,046, asphalt repaving Pechin St. $4,927, Rockland St. $18,835; to Barber Asphalt Paving Co., 239 North 30th St., asphalt paving 16th St. $15,159, asphalt repaving Dudley, Durfor, Fernon, Fitzgerald, Winton and Wolf Sts. $22,235, Wister St. $19,724; to United Paving Co., 833 Real Estate Trust Bldg., vitr. block paving Mitchell St. $13,320, 15th St., (track area) $34,753; to Eastern Asphalt Co., 1504 Penna. Bldg., asphalt repaving Elkhart St. $1,886, Shunk St. $22,191, Wharton St. $24,829; to Mazzola & Marano, 739 South 7th St., redressed granite block repaving Germantown St., $107,910, to C. G. Centrone, 1015 Chestnut St., Orthodox St. (track area) $15,797, to Acchione & Canuso Paving Co., 804 South 12th St., 7th St. $28,094, to Municipal Paving Co., 632 Kater St., 10th St., $39,931; to J. Lombard, 601 Lincoln Bldg., 15th St. $36,497, to M. J. McCrudden, 1134 Real Estate Trust Bldg., 22nd St. $20,940, to J. J. McHugh, 1617 Race St., curbing and footway (property owners to pay), $19,767.

Fla., Lake Worth—Improving road between Lake Ave. and 23rd St., 28,694 sq. yd. asphalt surfacing and 4,979 cu.yd. grading, to R. G. Lassiter & Co., West Palm Beach, and State Fair Grounds, Raleigh, N. C., $200,000.

Fla., Tampa—Paving, widening and regrading portion of East Lafayette and De Leon Sts., to Cone Bros., Tampa, $25,718. Noted Dec. 11.

Fla., Vero — Paving and curbing 5 mi. various streets, to F. W. Long & Co., Realty Bldg., Jacksonville, $163,767. Noted Jan. 8.

O., Ravenna — Improving Diamond St., north and south of Main St., to T. L. McCormic, Ravenna, $57,689. Engrs. est. $61,000.

Ind., Warsaw — Kosciusko Co., concrete paving 29,842 sq.yd. Minear Rd., to E. A. Gast, Warsaw, $62,500. Noted Dec. 18.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, surfacing Route 23, Sect. 24, McHenry Co., to Harrison Eng. & Constr. Co., Mutual Bldg., Kansas City, Mo., $163,100; Route 36, Sect. 18, Pike Co., to E. J. Eiff Co., Quincy, $201,793; Route 1, Sects. 2, 3 and 28, White Co., and Sect. 29, Saline, Gallatin and White Counties, to Ranson & Sherwood, Palestine, $344,000; Route 17, Sect. 28, LaSalle Co. and Sect. 29, La Salle and Livingston Counties, to W. D. Lonergan Constr. Co., Streator, $217,000. Noted Nov. 20 and Dec. 4.

Ill., Quincy—Paving various streets, 40,855 sq.yd. asphalt, to Bauer, Johnson & Co., Quincy, $81,416, 28,302 sq.yd. asphalt to Western Asphalt Paving Corp., 1st and Nebraska Sts., Sioux City, Ia., $61,000; concrete surfacing 11,140 sq.yd. concrete, to P. Simons, Quincy, $26,353, and 1,290 sq.yd. concrete, to W. Wells, Quincy, $2,889. Noted Jan. 22.

N. D., Ellendale—Dickey Co., improving 12 mi. Federal Aid Project 211, Sect. B, 71,346 cu.yd. earth and 1,640 cu.yd. rock excav., 8,893 cu.yd. overhaul, 4 mi. graveling, etc., to N. Brolander, Lidgerwood, $38,000; 15.5 mi. **Federal Aid Project** 261, 113,765 cu.yd. earth and 2,000 cu.yd. rock excav., 10,443 cu.yd. overhaul, etc., to H. Hehr, Ellendale, N. D., $54,000. Noted Jan. 22.

Missouri—State Hy. Dept., Jefferson City, to Bryant Paving Co., Waterloo, Ia., grading and 18 ft. concrete surfacing 11.376 mi. St. Joseph-Grayson Rd., Clinton Co., $153,617, 4.711 mi. St. Joseph-Grayson Rd., Buchanan Co. $63,761; to A. A. Davis Constr. Co., Gr. Exch., Oklahoma City, Okla., grading 1.614 mi. road from Mt. View north and south, Texas Co. $27,611, 18 ft. gravel surfacing 4.381 mi. Bolivar-Stockton Rd., Polk Co. $41,186, 12 ft. gravel surfacing 2.197 mi. Bolivar-Stockton Rd. $20,926; to J. P. Harlin, West Plains, grading 3.92 mi. road from Alton east and west, Oregon Co. $42,089, 12 ft. gravel surfacing 2.596 mi. road from Gainsville east and west, Ozark Co. $9,847; to E. C. Johnson, Carrollton, grading and 18 ft. rock asphalt surfacing 2.423 mi. road from Edinburg west, Grundy Co., $63,211; to Harrison Constr. Co., 413 Kraft Bldg., Des Moines, Ia., grading and 18 ft. concrete surfacing 3.351 mi. Edinburg-Trenton Rd., Grundy Co. $106,864; to Gaines Bros. Co., Fairland, Okla., 30 ft. grading 4.898 mi. Warrensburg-Higginsville Rd., Johnson Co. $42,488, to T. J. Morris, Oregon, 2.936 mi. St. Joseph-North Rd., Andrew Co. $24,115, to Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, 4.032 mi. St. Joseph-Hannibal Rd., Livingston Co. $31,578, to R. P. Harper Constr. Co., Leona, Kan., 3.454 mi. St. Joseph-Hannibal Rd., Livingston Co. $14,256, to Summerfield-Jones Co., Billings, 1.454 mi. state road from Alton north and south, Oregon Co. $12,928, to Thomas & Johnson, Doniphan, 2.981 mi. road from Winona east and west, Shannon Co. $31,226; to F. Teach, Renssalear, Ind., 20 ft. gravel surfacing 3.995 mi. road from Wayland south, Clark Co., $6,488; to McCann Bros. & Huffman, Grand Tower, Ill., 16 ft. gravel surfacing 2.257 mi. state road from Sikeston north and south, Scott Co. $27,955, to F. T. O'Dell, New London, 3.864 mi. state road from Canton to Monticello Lewis Co., $46,562; to N. A. Christy, Warsaw, 12 ft. gravel surfacing 0.936 mi. Stockton-Bolivar Rd., Cedar Co., $13,119. Noted Feb. 12.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, to Webb-Boone Paving Co., 5927 Fyler Ave., paving, etc., Delmar Blvd., $43,600; to Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., Elmbank St. $17,906, Francis St. $18,643; to Webb-Kunze Constr. Co., 5927 Fyler Ave., Tennessee St. $13,280, Theodore St. $51,618, Bancroft St. $11,638, Montana St. $14,200, Garner St. $10,642; to Central Paving & Constr. Co., 6161 Maple St., Fyler St. $34,304, St. Louis St. $43,992; to Eyermann Constr. Co., 1216 South Grand Blvd., Garner St. $22,711; to Blackburn & Cuan, Chouteau Trust Bldg., East Gate and Enright Aves. $6,692. Noted Jan. 22.

Tex., Ennis—Bitulithic paving 11 streets, to Central Bitulithic Co., Praetorian Bldg., Dallas, $75,000. Noted Nov. 6.

Tex., Ft. Worth — Paving Ave. K from Vaughan Mackey Sts., to General Constr. Co., Cotton Exch. Bldg., $32,050. Engrs. est. $35,000. Noted Jan. 29.

Tex., Sweetwater—Paving various streets, to West Texas Constr. Co., Cotton Exch. Bldg., Ft. Worth, $56,862.

Tex., Waxahachie—Ellis Co. native limestone base surfacing 45 mi. lateral roads in Rd. Dist. 1, 15 ft., to Purvis & Lowery, Ft. Worth, $144,946. Engrs. est. $150,000. Noted Feb. 12.

Nev., Reno — Improving various streets, 85,000 sq.ft. concrete sidewalks, 39,000 ft. 8 ft. 6 in. and 4,000 ft. 2 ft. 6 in. concrete curb and gutter, 3,200 ft. 8 in. and 500 ft. 6 in. concrete gutter, 15,000 sq.ft. concrete paving, to I. Christiansen, 109 Sierra St., Los Angeles, Calif., $93,765. Noted Feb. 12.

Ariz., Phoenix—City to The Pacific Construction Co., 16 California St., San Francisco, improving McKinley St., etc., 9,511 sq.yd. paving Specification 26AA at $2.07 per sq.yd., 171 sq.yd. paving, Specification 42 $2.15, 9,682 sq.yd. grading $0.32, 5,514 lin.ft. combined curb and gutter Det. E $1.43, 361 lin.ft. single gutter Det. G, 368 ft. single curb Det. F, $0.94 each, etc.; to J. C. Steele & Co., improving Berkeley Rd., 4,160 sq.yd. paving Specification 42-5 at $2.16 per sq.yd., 4,160 sq.yd. grading $0.26, 69 sq.yd. paving Specification 42-5 $2.16, 23 ft. combined curb and gutter Det. E, $1.50, 76 ft. curb Det. F, $1.00, 5 ft. gutter Det. G, $1.50.

California—State Hy. Comn., Sacramento, constructing 16.1 mi. road between Arroyo Sequit and Las Flores Canyon, Los Angeles Co., to S. W. Jewett, 2034 South Western St., Los Angeles, $250,754. Engrs. est. $327,967. Noted Jan. 22.

Streets and Roads (Continued)

Calif., Alhambra — Curbing, guttering, sidewalks, asphaltic concrete paving, etc. Primrose Ave. between Main and Poplar Sts., etc., Hall-Johnson Co., 3025 Fowler St., Los Angeles. $27,250.

Calif., Los Angeles — See "Excavation, Drainage, Irrigation, Levees."

Calif., Santa Rosa—W. W. Felts, Jr., clk. Sonoma Co., to A. Teichert & Son, P. O. Box 1118, Sacramento, improving Forest-Guerneville Highway, Sect. "A," 97,180 sq. ft. 2 in. Willite on 3 in. concrete, at $0.207 per sq.ft., 2,200 cu.yd. excav. $1, 5.6 cu.yd. concrete $28. Noted Feb. 5.

Buildings—Industrial

PROPOSED WORK

Mass., Arlington (Boston P. O.)—Plant—Arlington Belmint Ice Co., plans rebuilding plant at Spy Pond. $150,000. Engineer and architect not selected.

Mass., Lowell — Plant — G. W. Cady & Sons Co., Western Ave., plans rebuilding plant, recently destroyed by fire. $75,000. Engineer and architect not selected.

Mass., Reading — Plant — Bd. Selectmen, J. B. Knight, chn., plans electric power plant. $80,000. Engineer and architect not selected.

Mass., Watertown—Factory—F. C. Hersee Co., 22 Parkman St., Brighton, plans 1 story, 15,000 sq.ft. floor space, brick and timber, Galen St., here. $60,000. Engineer and architect not selected.

Mass., Webster — Factory — Middlesex Casket Co. plans rebuilding factory, recently destroyed by fire. $40,000. Engineer and architect not selected.

N. Y., Niagara Falls—Plant—F. J. Tons, Sugar and College Aves. plans to enlarge plant here. To exceed $150,000.

Md., Baltimore—Plant—Western Maryland Dairy, Linden Ave. and Dolphin St., having plans prepared by J. E. Sperry, Calvert Bldg., 2 story and basement, brick, plain foundation, on 125 x 300 ft. site, 3501 Philadelphia Rd. $150,000.

La., Shreveport — Power Plant — Southwestern Gas & Electric Co., having plans prepared by E. F. Neild, Merchants Bldg., 80 x 150 x 270 ft., rein.-con. and brick, plain foundation, Pierre Ave. $300,000.

O., Cleveland—Factory—Paul Bros., c/o G. Paul, Fidelity Mortgage Bldg., had plans prepared by J. F. Steffens, Fidelity Bldg., 1 story, 181 x 267 ft., brick, steel and concrete, Superior Ave. and East 51st St. $175,000.

O., Tiffin — Factory — W. H. Hopple, having plans prepared by S. H. Leister, structural engr., 203 North Sandusky St., rebuilding 1 story, 112 x 260 ft. brick and timber factory buildings recently destroyed by fire.

Ill., Granite City—Dairy Plant—Massey Brothers Dairy Co., 20th and I Sts., takes bids about April 1, 1 and 2 story, rein.-con. and brick, 20th and Madison Sts. $60,000. Private plans.

Wis., Shawano—Cannery—Shawano Canning co., c/o G. Greb, mgr., having plans prepared by F. Schoenrock, New London, 2 story and basement, 50 x 200 ft., brick and tile, plain foundation. $50,000.

Ia., Mason City—Plant—Standard Oil Co. made plans rein.-con. and brick warehouse and shops, 9th Ave. and Carolina Ave. S. E. $120,000. Private plans.

Minn., Bloomington (Minneapolis P. O.)—Power House—See "Buildings—Commercial."

Minn., St. Paul — Bakery — Continental Bakeries, c/o J. J. Kenna, 601 Commerce Bldg., plans 3 story and basement, 200 x 300 ft., rein.-con. and brick, University Ave. and Emerald St. $150,000. Engineer and architect not announced.

Mo., Kansas City—Factory—Columbian Steel Tank Co., 1601 West 12th St., soon takes bids (1st unit) 3 story and basement, 130 x 253 ft., rein.-con. and steel, plain foundation, 12th and Wyoming Sts. $500,000. A. M. Griffin, engr., and G. I. Sanderlin, archt, both c/o owner.

Mo., Kansas City — Storage — Topeka Flour Mills Co., 126 North Jefferson St., Topeka, Kan., having plans prepared by Horner & Wyatt, 300 Board of Trade Bldg., approximately 200,000 bu. grain storage building, here.

Tex., Ft. Worth—Laundry—Natatorium Laundry Co., 101 East Belnap St., and Glasgow & Longley, archts., 1 Natl. Bank, take bids about Mar. 1, 2 story, 100 x 190 ft., rein.-con. and brick, plain foundation. $200,000.

Okla., Miami—Factory—Lomax Industrial Corp., Lomax, Ill., having preliminary plans prepared 1 story, 90 x 170 ft. broom factory, steel and timber, plain foundation, here. $160,000. Engineer and architect not selected.

Idaho, Lewiston — Mill — Weyerhauser Timber Co., Everett, Wash., plans saw mill with 1,500,000 ft. daily capacity, at dam which will be constructed across Clearwater River. Approximately $2,000,000.

Idaho, Lewiston—Plant—See "Dams."

Wash., Bellingham — Newspaper — F. S. Piper, archt., Bellingham, takes bids about April 5, 6 story and basement, 80 x 125 ft., rein.-con., Elk and Chestnut Sts., for Bellingham Publishing Co. $250,000.

Calif., Fresno — Plant — E. J. Kump Co., archts., Rowell Bldg., soon take bids 1 and 2 story, 75 x 150 ft., rein.-con. and brick, Kern and R Sts., for Coca Cola Distributing Co. $40,000. Noted Dec. 4.

Calif., Los Angeles — Machine Shop — Dept. Pub. Serv., Bureau Power & Lights, 207 South Bway., had plans prepared 3 story and basement, 85 x 320 ft. machine shop, 1600 North Maine St. $165,000. Private plans.

Calif., Oakland—Power House—Supervs. Alameda Co. soon take bids 2 story and basement, rein.-con. boiler house, etc., for county hospital. $200,000. H. H. Meyers, Kohl Bldg., San Francisco, archt.

Calif., San Francisco — Mill — San Francisco Textile Mills, Inc., c/o Chamber of Commerce, Merchants Exchange Bldg., plans textile mill. To exceed $500,000.

Ont., Fergus—Plant—Beatty Bros. plans addition to factory. $100,000.

BIDS DESIRED

Mass., New Bedford—Factory—Continental Wood Screw Co., Pleasant St., taking bids 2 story, 80 x 100 ft., brick factory addition. $75,000. Leary & Walker, Times Bldg., archts. Noted Feb. 12.

Mass., Norwood—Plant—Bird & Sons, East Walpole, taking bids 2 story, 80 x 100 ft. finish building addition, $60,000, 1 story, 120 x 135 ft. printing building addition, $65,000, 1 story, 80 x 200 ft. oven building addition, $60,000, all rein.-con. and brick, plain foundations. Monks & Johnson, 99 Chauncy St., Boston, archts.

N. Y., Comstock — Shop — Mar. 12, by Superintendent State Prisons, Capitol, Albany, structural steel for shop at Great Meadow Prison here; adv. E. N.-R. Feb. 26.

Mich., Detroit—Plant—Mar. 3, by A. Kahn, archt., 1000 Marquette Bldg., 3 story, 80 x 639 ft., and 80 x 180 ft., rein.-con. and brick assembly plant, plain foundation, Connors Ave., for Hudson Motor Co., 12601 East Jefferson Ave.

Wis., Milwaukee—Factory—Mar. 5, by J. Topzant, archt., 144 Oneida St., 2 story and basement, 80 x 112 ft., brick and timber addition, plain foundation, Lincoln Ave., for Roberts Brass Co., 178 Lincoln Ave. $60,000. Noted Feb. 5.

BIDS RECEIVED

N. Y., Coney Island (Sta. Brooklyn) Shop—Bd. Transportation 49 Lafayette St., New York City, Feb. 20, structural steel for main repair shop and other buildings at yard, Ave. X and Shell Rd., here, from Bethlehem Steel Co., 25 Bway., New York City, $670,000. Noted Feb. 12.

CONTRACTS AWARDED

Mass., Lowell — Plant — Lowell Electric Light Corp., 20 Market St., brick addition to power plant, Perry St., to Stone & Webster, Inc., 147 Milk St., Boston.

O., Cleveland — Factory, etc. — C. F. Brookins, pres. Brookins Co., 1741 Euclid Ave., 2 story and basement, 35 x 140 ft., brick and steel and concrete factory and commercial building, East 40th St., and Carnegie Ave., to Kittinger-Watt Co., 4614 Prospect Ave. Archts. est. $50,000. Noted Oct. 30.

O., Cleveland — Factory, etc. — Tropical Oil & Paint Co., 1246 West 70th St., 3 story, 40 x 60 ft. factory, and 1 story, 80 x 120 ft. office building, brick and steel, to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $75,000. Noted Jan. 29.

O., Cleveland—Factory and Warehouse—Widlar Co., c/o C. W. Brandt, pres., 722 Bolivar Rd., 2 story and basement, 60 x 200 ft., brick, steel and concrete additions, Berea Rd., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $60,000. Noted Oct. 16.

Ill., Chicago — Plant — Bird-Archer Co., 32 Rector St., New York City, 2 story and basement plant, 18,000 sq.ft. floor space, here, to Austin Co., 2088 La Salle St., $50,000.

Wis., Green Bay—Cannery—W. Larsen Canning Co., North Bway., remodeling 1 story, 100 x 120 ft., brick and timber cannery, to L. Hansen & Sons, 527 South Ashland St. Archts. est. $40,000.

Wis., Shawano—Cannery—Shawano Canning Co., 2 story, 46 x 208 ft., brick and tile, plain foundation, to F. Schoenrock & Sons, New London. Archts. est. $50,000.

Wis., West Allis—Factory—LeRoi Co., 60th Ave. and Mitchell St., 1 story, 122 x 164 ft., brick and timber addition, plain foundation, 60th Ave., to A. E. Roesske, 857 68th Ave. Archts. est. $50,000.

Mo., North Kansas City—Factory—Amer. Cross Arm & Conduit Co. 332 South Michigan Ave., Chicago, Ill., 1 story, 110 x 113 ft., brick and concrete, Campbell and 13th Sts., to Bickel Contg. Co., 1016 Baltimore St., Kansas City.

Ariz., Inspiration—Mill—Inspiration Consolidated Copper Co., 1,600 tons structural steel for mill buildings, plain foundations, to Kansas City Structural Steel Co., Kansas City, Mo.; for furnishing 2,000 tons reinforcing bars, to Columbia Steel Corp., Pacific Electric Bldg., Los Angeles, Calif.

Calif., Oakland—Plant—California Compressed Gas Co., 1135 3rd St., 1 story, steel and timber plant, sludge pits, gas holder base, etc., Wood St. between 22nd and 24th Sts., to H. J. Christensen, 17th St. and Telegraph Ave., $47,500. Noted Dec. 25.

Calif., San Bernardino—Shop, etc.—State Hy. Comn., at Los Angeles, 1 story, 60 x 140 ft., corrugated iron maintenance shop, also corrugated iron timber truck shed, etc., here, to Houghton & Anderson, 143 Rose St., Los Angeles, $24,833. Noted Jan. 15.

Buildings—Commercial

PROPOSED WORK

Mass., Arlington—Police Headquarters—Bd. Selectmen plan new police headquarters, Central St. To exceed 150,000. Engineer and architect not selected.

Mass., Boston—Garage—Kudish & Kager, 521 Seaver St., Roxbury, having plans prepared by A. Rosenstein, 220 Devonshire St., 1 story, 125 x 300 ft., rein.-con. and brick, Massachusetts Ave., here. $200,000.

Mass., Boston — Home—Home for Aged Women, c/o Coolidge, Shepley, Bulfinch & Abbott, archts., Ames Bldg., having preliminary plans prepared 3 story, brick, plain foundation, Revere St. $200,000. H. Woodworth, chn. Building Com.

Mass., Boston—Store—Park Sq. Real Estate Trust, c/o W. J. McDonald, J. S. Drapeu and M. T. Dowling, 200 Devonshire St., having preliminary plans prepared by Densmore, LeClear & Robbins, Park Sq. Bldg., 5 story, basement and sub-basement, 120,000 sq.ft. floor space, rein.-con., brick, steel and limestone, St. James Ave., Stuart and Berkley Sts. $10,000,000. Lockwood, Green & Co., 24 Federal St., engrs. United Dept. Stores, Lessee.

Mass., Boston — Warehouse — Morgan Memorial Corp., 89 Shawmut Ave., F. S. Moore, treas., plans 7 story and basement warehouse, 36-44 Kirkland St. $150,000-$175,000. Engineer and architect not selected.

Mass., Brighton (Boston P. O.)—Chapel—St. Elizabeth's Hospital, Cambridge St., having plans prepared by E. T. P. Graham, 171 Newbury St., Boston, 1 story and basement, rein.-con., brick and stucco, memorial chapel, plain foundation. $150,000.

Mass., Brockton (Boston P. O.)—Office—Brockton Gas Light Co., having plans prepared by Hutchins & French, archts., 11 Beacon St., Boston, altering and constructing 4 story and basement, brick and limestone addition, Main St. $150,000.

Mass., Lawrence — School — School Bd. having sketches made by Huntress & Alter, 477 Essex St., 2 story and basement, brick, easter nsection of city. T oexceed $150,000. Noted Jan. 15.

Mass., Newton — Dormitory — Newton Rest Assn., Inc., c/o H. H. Kandall, treas., 876 Beacon St., having plans prepared 1 and 2 story and basement, 100 x 200 ft., brick, Newton Centre. Private plans.

Mass., Newtonville—School—H. Fitts, city chn., City Hall, Newton, having revised plans prepared by Haven & Hoyt, 220 Devonshire St., Boston, 3 story and basement, brick and stone, Elm Rd. and Walnut St. $600,000. Former contract rescinded. W. A. Richardson, 80 Boylston St., Boston, engr. Noted Feb. 5.

Mass., Roslndale (Boston P. O.)—Apartment—Owner, c/o H. R. Duffle, archt. and engr., 333 Belgrade Ave., having plans prepared 3 story and basement, brick and stone apartment. $150,000.

Mass., Roxbury (Boston P. O.) — Mercantile—Owner, c/o M. M. Kalman, archt., Old South Bldg., Boston, having plans prepared, 3 story and basement, brick and stone, plain foundation, here. $150,000. E. C. Woodman Co., 2235 Washington St., lesee.

Mass., West Springfield (Springfield P. O.)—School—City of Springfield soon takes bids for school Kings Highway, here. $350,000. Van Pelt & Morris, 126 East 59th St., New York City, archts. Noted Jan. 15.

R. I., Providence — Apartment — Zura Realty Co., 524 Westminster St., plans brick and steel, Broad St. $150,000 or more. Engineer and architect not selected.

Buildings—Commercial (Continued)

Conn., Norwich — School — St. Joseph's Church, S. A. Icick, pastor, having plans prepared 3 story school. $250,000. Engineer and architect names withheld.

N. Y., New York—Apartment—Bailey Ave. Holding Co., c/o Rotholz & Golden, archts. and engrs., 311 Lenox Ave., having plans prepared brick, steel and stone, plain foundation, Bailey Ave.

N. Y., New York — Apartment — Weeks Ave. Building Co., c/o I. L. Crousman, archt. and engr., 370 East 149th St., having plans prepared 6 story 75 x 80 ft., brick, steel and stone, plain foundation, Weeks Ave. $175,000.

N. Y., New York—Apartment—Success Building Co., c/o Meisner & Uffner, archts. and engrs., 565 West Tremont Ave., having plans prepared 6 story, 75 x 85 ft., brick, steel and stone, plain foundation, Bronx Park South. $150,000.

N. Y., New York—Loft—D. Zuckerman, Inc., c/o Shampan & Shampan, archts. and engrs., 189 Montague St., Brooklyn, having plans prepared 12 story, brick, steel and stone, plain foundation, 236 West 26th St., here. $800,000.

N. Y., Troy — Garage — T. S. Watkins, Troy, plans 3 story, 150 x 200 ft., rein.-con. and steel garage, Fulton St. $250,000. Engineer and architect not announced.

Pa., Greensburg — Hospital — Westmoreland Hospital Assn. having plans prepared by E. L. Tilton, archt., 141 East 45th St., New York City, and E. P. Mellon, archt., 350 Madison Ave., New York City, and Bartholomew & Smith, associated archts., Greensburg, 3 story and basement, 50 x 150 ft., brick and stone hospital. $150,000.

Pa., Lancaster — Station — Pennsylvania R.R., Broad St. Sta., Phila., having sketches and preliminary plans prepared by W. H. Cookman, Broad St. Station, Phila., 2 story and basement, 60 x 200 ft., brick and steel, plain foundation, incl. two 1,200 ft. concrete platforms, and concourse bridge, on main line Trenton Cutoff, etc., here. $1,500,000.

Pa., Warren — Bank — Warren Savings Bank & Trust Co. having plans prepared by W. L. Stoddard, 50 East 41st St., New York City, 1 story, basement and mezzanine, brick on hollow tile and limestone. $400,000.

Md., Baltimore—Academy—Academy and Convent of the Visitation, Park Ave. and Centre St., having plans prepared by F. J. Baldwin, 328 North Charles St., 4 story and basement, 200 x 250 ft., stone, plain foundation, Belvidere and Roland Aves. $1,000,000.

Fla., Clearwater—Schools—Pinellas Co. plans election $1,160,000 bonds for school in St. Petersburg; $165,000 bonds for school in Clearwater; $235,000 bonds for schools in Safety Harbor, Largo Dist. and Dunedin. J. H. Brown, Clearwater, co. clk.

Fla., Miami—Business and Apartment—A. J. Clayton having plans prepared by R. A. Preas, 10 story, business and apartment building, Northeast 13th Terrace and 1st Ave. $275,000.

Fla., Olympia—Hotel—Olympia Impvt. Co. and associates, plan hotel. $350,000.

Fla., Sarasota—Hotel—M. F. Schiavone, 10 East La Salle St., Chicago, Ill., plans Riviera Hotel, 12 story, 105 x 200 ft., Main St.

Ala., Birmingham—Office—Southern Bell Telephone Co., 1921 5th Ave. N., plans to expend during 1925 and 1926, $3,000,000 for improvements in Birmingham, and approximately $8,193,700 during next 5 years for improvements, inc. 5 or 6 story building.

La., Monroe—Office—See "New Orleans, La."

La., New Orleans — Exchanges, etc. — Cumberland Telephone & Telegraph Co. plans to spend $9,636,000 for improvements and construction of 3 new exchanges, here, also reconstruction of offices in Monroe and Shreveport, etc.

La., New Orleans — Temple — Masonic Assn. having plans prepared by S. Stone, 714 Union St., and takes bids about Mar. 1, 16 story, 103 x 170 ft. temple, 225 ft. high, St. Charles and Perdido Sts. $2,250,000.

La., Shreveport—Office—See "New Orleans, La."

Tenn., Memphis — Warehouse — N. O. Nelson Mfg. Co., had plans prepared by Jones & Furbringer, Porter Bldg., and soon takes bids 2 story and basement, 210 ft. front, rein.-con. and brick, Linden St. and west of Southern R.R. track. $200,000.

Tenn., Nashville—High School—Bd. Educ. plans 4 new high school buildings in various parts of city. $1,000,000. H. E. Howse, mayor. Engineer and architect not selected.

O., Akron—Church and Sunday School—North Hill Methodist Episcopal Church, c/o E. S. Smith, 373 Perkins St., pastor, having preliminary plans prepared by Martin, Orr & Martin, 190 North Bway., Columbus, 1 and 2 story, brick, steel and concrete church and Sunday school building. $200,000.

O., Alliance—Mercantile and Office—J. H. Johnson & Sons Co. take bids in spring 6 story, 30 x 129 ft., brick, steel and concrete, Main St. $150,000.

O., Cincinnati—Apartment—F. A. Schmitt Co., 5th and Main Sts., having plans prepared by Fechheimer, Ihorst & McCoy, 1010 Schmidt Bldg., 4 story and basement, 150 x 170 ft., rein.-con. and brick, plain foundation, Woodburn Ave. $250,000.

O., Cleveland—Commercial and Garage—Rockwell Building Co., c/o Miller & James Co., archts., Erie Bldg., having plans prepared 3 and 4 story, 60 x 100 ft., and 66 x 80 ft., brick, steel and concrete, 717 Superior Ave. $200,000.

O., Cleveland — Hospital — Anti-Tuberculosis League c/o. J. C. Placek, doctor, 8314 Euclid Ave., plans brick, steel and concrete hospital. Engineer and architect not selected.

O., East Cleveland (Cleveland P. O.)—Apartment — Euclid-Hastings Co., c/o S. Glaser, 201 Ulmer Bldg., Cleveland, having preliminary plans prepared by L. R. Walker, 1900 Euclid Ave., Cleveland, 3 story, about 50 x 200 ft., brick and timber, 16,001 Euclid Ave., here. $200,000.

O., Euclid—School, etc.—Bd. Educ., J. B. Clark, clk., 1550 Chardon Rd., having plans prepared by Fulton & Taylor, 8120 Euclid Ave., Cleveland, 2 story and basement, 66 x 145 ft. school with 40 x 48 ft. boiler house, brick, steel and concrete, Upson Rd. $200,000. Noted Nov. 20.

O., Middletown—Church—St. Johns Congregation, soon lets contract 2 story and basement, 68 x 142 ft., rein.-con. and brick, 1st and Curtis Aves. $175,000. M. M. Jackle, Dayton, archt.

Mich., Dearborn—Theatre and Store—C. E. Schley, archt., 1121 Lafayette Bldg., Detroit, preparing plans 2 story and part basement, 60 x 150 ft. and 50 x 100 ft., rein.-con., brick and steel, plain foundation. $150,000. Owner's name withheld.

Mich., Detroit—Apartment—J. Kasurin, archt., 502 Empire Bldg., prepared plans 4 story and basement, 90 x 150 ft., brick, steel and stone, plain foundation, Dexter Blvd. $275,000. Owner's name withheld.

Mich., Detroit—Theatre—D. T. Nederlander, 11 Campus Martius, having plans prepared 2 story and basement, 100 x 168 ft., rein.-con., brick and steel, plain foundation, Woodward Ave. and Six Mile Rd. $500,000. Engineer and architect's names withheld.

Mich., Lansing — Office — Michigan Employers Casualty Co., having plans prepared by E. A. Bowd, Lansing, 4 story and basement, 52 x 120 ft., rein.-con., brick and steel, plain foundation, Capitol Ave. $150,000.

Ill., Cairo—Armory—Dept. Pub. Wks., Springfield, making preliminary plans National Guard armory building, 2 story, rein.-con. and stone. $150,000. W. J. Lindstrom, 707 South 8th St., Springfield, acting supt.

Wis., Milwaukee — Apartment — W. J. Kozick, archt., 664 26th St., preparing plans 4 story, 50 x 100 ft., brick and tile, plain foundation, Vliet St. $150,000. Owners name withheld.

Wis., Milwaukee—School—St. Marys Congregation, c/o J. Van Treeck, pastor, had plans prepared by T. F. Imbs, 105 North 7th St., St. Louis, Mo., and soon takes bids 3 story and basement, 97 x 110 ft., brick and tile, plain foundation. $175,000.

Wis., Milwaukee — Store — Boston Store, 319 Grand Ave., having plans prepared by Barkhausen & Logemann, 79 Wisconsin St., 1 story, 100 x 200 ft., steel and white glazed brick addition, Sycamore St. $150,000.

Wis., Milwaukee — Synagogue — Beth Israel Congregation, c/o S. Michel, 175 Queen Ann Pl., had plans prepared by H. H. Bruns, 845 26th St., 2 and 1 story and basement, 78 x 130 ft., brick and tile, plain foundation, Teutonia Ave.; excavation work, to H. J. Wussow, 183 Concordia Ave. Total $185,000. Noted Jan. 29.

Wis., Racine—Apartment—W. M. Lewis, 202 Badger Bldg., plans 6 story and basement, brick, tile and concrete, plain foundation, Main St. $260,000. Engineer and architect not selected.

Minn., Bloomington (Minneapolis P. O.)—Lodge, etc.—Minnesota Masonic Home Corp., c/o A. F. Pray, 300 Oneida Bldg., having plans prepared by Bertrand & Chamberlin, 616 Northwestern Bank Bldg., Minneapolis, 3 story and basement, 50 x 275 ft., rein.-con. and brick lodge, and 1 story, 100 x 100 ft. brick power house, at Masonic Home. $300,000.

Minn., Minneapolis — Clubhouse—Zuhrah Temple Assn., G. W. Critten, pres., 515 Lumber Exch., plans 3 or 4 story and basement, rein.-con., brick, stone and tile, Lyndale Ave. and Superior Blvd. $300,000. Engineer and architect not announced.

Minn., St. Paul—Hospital—Ramsey Co. Bd. Control, O. J. Tong, secy., Court House, takes bids probably in March, 4 story and basement, 150 x 160 ft., rein.-con., brick and stone addition, Jefferson and Colburn Sts. $400,000. Buechner & Orth, 500 Shubert Bldg., archts.

Kan., Lawrence—Memorial—Kansas University Memorial Assn., c/o S. G. Elliott, soon takes bids on (1st unit) 3 story and basement, 75 x 150 ft., concrete, brick and stone, on campus. $250,000. Pond & Pond, 6 North Michigan Ave., Chicago, archts. Goldwin & Goldsmith, 306 Marion Bldg., Lawrence, associated archts. Noted July 3.

Kan., Newton — High School — Election Mar. 10, $215,000 bonds for Junior High School building.

Mo., Kansas City—Church—C. Smith, archt. and engr., 800 Finance Bldg., soon takes bids 1 story and basement, 85 x 115 ft., steel and stone, plain foundation, 65th St. and Wornall Rd., for Sixth Church Christ Scientists. $225,000.

Mo., Kansas City — High School — Bd. Educ., Library Bldg., soon takes bids 3 story and basement, rein.-con. and brick, plain foundation, 17th St. and Van Brunt Blvd. $395,000. C. Smith, 800 Finance Bldg. archt. and engr.

Mo., Kansas City — High School — Bd. Educ., Library Bldg., soon takes bids 3 story and basement, 150 x 220 ft., brick, plain foundation, Independence Ave. and Chelsea St. $360,000. C. Smith, 800 Finance Bldg., archt. and engr.

Tex., Corpus Christi—Bank and Office—City Natl. Bank, soon lets contract 6 story, brick, stone and rein.-con. addition. $150,000. R. H. Cameron, 1116 City Natl. Bank Bldg., San Antonio, archt.

Tex., Dallas—Dormitory—E. W. Shuler, pres. Southern Methodist University, soon takes bids 2 story and basement, 175 x 185 ft., rein.-con. and brick, plain foundation. $150,000. C. D. Hill, Central Bank Bldg., archt.

Tex., Houston — High Schools — H. L. Mills, bus. mgr. Bd. Educ., soon takes bids Montrose High School, Woodhead and Westheimer Sts., $300,000, R. D. Steel, 1st Natl. Bldg., and Jones & Tabor, Union Natl. Bldg., associated archts.; South Junior High School, Almeda Rd. and Wentworth Ave., $400,000, Sanguinet, Staats & Hedrick, 1st Natl. Bldg., Ft. Worth, archts.; Houston Heights Senior High School, Columbia and 14th Sts., $500,000, L. A. Glover, Bing Bldg., and J. F. Staubs, 2nd Natl. Bank Bldg., associated archts. all rein.-con. and brick, plain and concrete pile foundations. R. J. Cummins, Bank Mortgage Bldg., engr., and W. W. Watkins, Scanlon Bldg., consut. archt. for all. Noted Dec. 18.

Tex., San Antonio — Theatre — W. J. Lytle, Princess Theatre, having plans prepared by A. B. and R. M. Ayres, Bedell Bldg., and takes bids about Apr. 17, 4 story and part basement, rein.-con. and steel, plain foundation, Houston, River and Travis Sts. $1,500,000.

Tex., Wichita Falls—Hospital—A. Lee, Keill & Jones, having sketches made Wichita Falls Medical & Surgical Clinic, 4 story and basement, 60 x 168 ft., rein.-con., brick and stone, 8th and Bluff Sts. $200,000. Engineer and architect not announced.

Okla., Newkirk—Court House—Kay Co. and C. H. Woodruff, archt., Reynolds Bldg., Ft. Worth, Tex., soon take bids 3 story and basement, 75 x 120 ft., rein.-con., brick and steel, plain foundation. $200,000.

Okla., Norman — Union — University of Oklahoma had plans prepared by Sorey & Vallberg, Braniff Bldg., Oklahoma City, 2 story and basement, 80 x 175 ft., rein.-con. and brick, plain foundation, on campus. $150,000.

Okla., Tulsa — Church — Sacred Heart Catholic Church Congregation making preliminary plans 1 story, 60 x 190 ft., rein.-con. and brick, plain foundation, Boulder St. $300,000. Engineer and architect not selected.

Okla., Walters—Court House—Cotton Co. voted $160,000 bonds for court house, incl. 2 story and basement, 80 x 175 ft., rein.-con. and brick, plain foundation, Grand St. $160,000. Tonini & Bramblet, Terminal Bldg., Oklahoma City, archts.

Colo., Denver—Bank and Office—Midland Savings & Loan Co., 17th and California Sts., takes bids in March, 5 story, 50 x 125 ft., rein.-con., Bedford or Colorado marble, 17th and Glenarm Sts. $500,000. Fisher & Fisher, U. S. Natl. Bank Bldg., archts.

Colo., Grand Junction — Schools — Voted $275,000 bonds for 3 grade and 1 Junior high school, also high school. E. Groves, Foster Bldg., Denver, archt.

Wash., Seattle—Office—J. K. McDowell, Marion Bldg., having plans prepared by A. McQuaker, Mehlhorn Bldg., 12 story, 111 x 115 ft., rein.-con. and terra cotta, 3rd and Union Sts. $750,000.

Buildings—Commercial (Continued)

Ore., Portland — Apartment — Lucas & Cash, archts., Portland, take bids about Apr. 27, 5 story, 100 x 100 ft., rein.-con. and part timber, plain foundation, Marshal and 22nd Sts., for Lawrence Apartment Co. $150,000.

Ore., Portland — Hospital — Sutton & Whitney, archts., Lewis Bldg., take bids about Apr. 12, 3 story, 100 x 100 ft., rein.-con. and brick, plain foundation, 212 Stanton St., for Emanual Charity Bd. $175,000.

Calif., Beverly Hills — Club — Leverly Hills Womens Club, plans clubhouse, Benedict Canyon Dr. $150,000. Gable & Wyant, 634 South Western Ave., Los Angeles, archts.

Calif., Beverly Hills—Store and Office—C. L. Peck, H. W. Hellman Bldg., Los Angeles, plans 5 to 8 story, approximately 150 x 150 ft., probably rein.-con., Beverley Dr. and Burton Way. Engineer and architect not selected.

Calif., Long Beach—Office—Pacific Club of Long Beach, c/o D. M. Smith, pres., plans prepared by Curlett & Beelman, 408 Union Bank Bldg., and soon takes bids, general construction, 14 story and basement, 160 x 260 ft., office building, Ocean Ave. and 1st Pl. $900,000.

Calif., Oakland—Theatre, Office and Store—A. Pantages, Pantages Theatre Bldg., San Francisco, plans to purchase site for theatre, office and store building. $3,000,000.

Calif., San Francisco — Hotel — E. Glass, archt., 525 Market St., soon takes bids 6 story and basement, steel and brick, north of Market section. $150,000. Owner's name withheld. Noted Feb. 19.

BIDS DESIRED

N. H., Concord—Temple and Theatre—Mar. 6, by Bek Tash Real Estate Assn., c/o C. R. Whitcher, archt., 814 Elm St., Manchester, 3 story, 100 x 150 ft., brick and steel temple and theatre. $250,000. Noted Jan. 8.

Mass., Haverhill—Clubhouse—Haverhill Country Club, taking bids 3 story, 60 x 150 ft. rein.-con., brick and stucco clubhouse. $150,000. H. F. Kellogg, 110 Summer St., Boston, archt. Noted Jan. 15.

Mass., New Bedford — High School — School Comn. taking bids 3 story and basement, 150 x 225 ft., rein.-con., brick, limestone and granite, plain foundation, County and Margan Sts. $200,000. Browne & Poole, 688 Pleasant St., archt. Noted Jan. 29.

Mass., Pittsfield — Y. M. C. A. taking bids for brick and steel Y. M. C. A. building. $150,000. Harding & Seaver, 7 North St., archts.

Mass., Quincy (Boston P. O.)—Store and Theatre—Mar. 15, by Natl. Theatre c/o Tuck & Co., archts., 636 Warren St., Roxbury Centre, 2 story 60 x 200 ft., brick and steel, Hancock St., here. $200,000.

N. Y., Buffalo — Clubhouse — Elks Club, 211 Delaware Ave., taking bids 6 story, rein.-con. and brick, Delaware Ave. $300,000. Townsend & McNeil, Dun Bldg., archts.

N. Y., New York—Armory—Mar. 5, at office Mayor, City Hall, reconstructing Squadron A armory, at Madison Ave. and 94th St.

N. Y., Wingdale—Hospital—Mar. 18, by State Hospital Comn., Capitol, Albany, alterations to Buildings A and B, mess hall, kitchen, central heating and lighting plant, etc., at Harlem Valley State Hospital, here. S. W. Jones, Albany, state archt; adv. E. N.-R. Feb. 26.

Pa., Phila. — Apartment — Seely & Co., 1504 Locust St., will build 4 story and basement, 36 x 135 ft., brick and steel, plain foundation, 72nd and Woodland Sts. $200,000. Work will be done by separate contracts. Private plans.

Pa., Phila.—Bank—Mar. 9, by Benting & Shrigley, archts., 603 Chestnut St., 5 story and basement, 56 x 90 ft., brick and steel, plain foundation, 10th St. above Chestnut St., for Federal Reserve Bank, 923 Chestnut St.

Pa., Scranton—Store—Feb. 27, by Davis & Lewis, archts., Union Natl. Bank Bldg., 5 story and basement, 57 x 137 ft., brick and steel, plain foundation, Lackawanna and Wyoming Aves. for Scranton Dry Goods Co.

Md., Baltimore—Garage and Warehouse—Feb. 28, by G. F. Masson, pres. Massons Express, 107 West Pratt St., 3 story and basement, 90 x 140 ft., brick and steel, plain foundation, Pratt and Poppleton Sts. $150,000. J. Freund, 1307 St. Paul St., archt.

Md., Baltimore—School—Mar. 11, by Bd. Awards, 1 story and basement, brick, plain foundation, Rokeby Rd., Glen Allen and Dryden Drives. $275,000. W. G. Beecher, 12 East Pleasant St., archt. Kubitz & Koenig, Emerson Tower, engr.

Md., Denton—School—Mar. 5, by Building Com. Denton Pub. School, 3 story and basement, 65 x 134 ft., brick, plain foundation. 150,000. T. W. Pietsch, Amer. Bldg., Baltimore, archt.

Tenn., Knoxville — Hotel — Mar. 6, by Farragut Hotel Co., 526 South Gay St., 9 story, 100 room, rein.-con. and brick addition. $200,000. W. L. Stoddart, 50 East 41st St., New York City, N. Y., archts. Noted Jan. 8.

O., Cleveland — Apartment — Lewin & Kaufman, 11,401 Hopkins Ave., taking bids 3 story and basement, 34 x 99 ft., brick and timber, 1097 East 125th St. $150,000. W. A. Altschuld, 5116 Woodland Ave., archt.

O., Cleveland — Apartment — H. Latin, 1198 East 98th St., taking bids 2 story and basement, 70 x 126 ft., brick and timber, 2734 Hampshire Rd. $150,000. W. Weis, 617 Union Bldg., archt.

O., Cleveland—Medical Library—Feb. 28, by Allen Memorial Library, c/o C. R. Hamann, pres., 2318 Prospect Ave., 3 story, brick, steel and concrete, Euclid Ave. $300,000. Walker & Weeks, 1900 Euclid Bldg., archts. Noted Jan. 10.

O., Cleveland—Store and Apartment—Gund Realty Co., c/o L. F. Roether, secy., 1476 Davenport Ave., taking bids 3 story and basement, 100 x 100 ft., brick and timber, East 55th St. and Superior Ave. $175,000. C. J. French, Plymouth Bldg., archt.

O., Dayton — School — Mar. 17, by Bd. Educ., 216 Ludlow Bldg., C. J. Schmidt, secy., 2 story and basement, rein.-con., brick and stone, plain foundation, Troy and Lee Sts. $500,000. Architectural Dept. Bd. Educ., archts.

O., Shaker Heights (Cleveland P. O.)—Schools—Mar. 9, by Bd. Educ., J. W. Main, clk., Woodland and Woodbury Rds., clk., 3 story and basement, Lee Rd. and South Moreland Blvd., $350,000; and 2 story and basement, Southington and Drexmore Rds., $200,000, both brick, steel and concrete. C. W. Bates, 77 12th St., Wheeling, W. Va., archt.

O., Warren—Bank and Office—Mar. 2, by Union Savings & Trust Co., R. A. Cobb, chn., 9 story and basement, 53 x 114 ft., brick, steel and concrete. $500,000. Keich, O'Brien & Hosker, Warren, archts. Noted Dec. 25.

O., Youngstown—Armory—Mar. 12, by F. D. Henderson, Adj. Gen. State Building Comn., Columbus, for Ohio State Armory, 2 story, 144 x 188 ft., rein.-con. and brick, here. F. W. Elliott, Columbus, archt.

Mich., Detroit—School—Mar. 6, by C. A. Gadd, secy. Bd. Educ., 1354 Bway. Ave., 2 story and basement, 100 x 145 ft., rein.-con., brick and steel, plain foundation, Plymouth Rd. $200,000. McGrath & Page, 2231 Park Ave., archts.

Mich., Eloise—Infirmary—Mar. 4, by H. H. Prenzlauer, secy. Bd. Wayne Co. Supt. of Poor, City Serv. Bldg., Detroit, 3 story and basement, rein.-con., brick and steel, plain foundation, here. $400,000. Maul & Lentz, 1259 David Whitney Bldg., Detroit, archts.

Mich., Warren—School—Mar. 9, by J. M. Vedder, secy. Bd. Educ., 2 story and basement, 38 x 77 ft., 63 x 145 ft. with 42 x 55 ft. ell, rein.-con. and brick, plain foundation. Warren Holmes Powers Co., Lansing, archts.

Wis., Milwaukee — Apartment — A. C. Runzler, archt., 144 Oneida St., taking bids 3 story and basement, 50 x 132 ft., brick and tile, plain foundation, Royall Pl. $150,000. Noted Feb. 19.

Minn., Minneapolis—Lodge—Mar. 2, by Cataract Lodge A. F. & A. M., A. Jenson, secy. Building Com., 4907 Colfax Ave., 5 story and basement, 98 x 155 ft., rein.-con., brick, tile and terra cotta. $275,000. Fallows & Huey, 501 New York Life Bldg., and W. K. Macomber, 1028 Andrus Bldg., archts.

Tex., Houston—High Schools—Mar. 6, by H. L. Milos, bus. mgr. Bd. Educ. 3 story and basement addition to Northill Junior High School, $400,000. Driscoe & Dixon and Maurice & Sullivan, 2nd Natl. Bank Bdg., associated archts.; Eastwood Junior High School, 3 story and basement, Polk and Baird Sts., $400,000, J. Finger, Woolworth Bldg. and Endress & Cato, Bank Mortgage Bldg., associated archts., both rein.-con. and brick, plain and concrete pile foundations. R. J. Cummins, Bank Mortgage Bldg., engr., and W. W. Watkins, Scanlon Bldg., consult. archt. for both projects. Noted Dec. 18.

Tex., Houston—Office—N. Esperson, Natl. Bank Bldg., and J. Eberson, archt., 212 East Superior St., Chicago, Ill., taking bids and opens same Mar. 1, 24 story and basement, 150 x 155 ft., brick and steel, plain and concrete pile foundation, Travis St. $2,000,000.

Calif., Los Angeles — Club and Store — Walker & Eisen, archts., Great Republic Bldg., taking bids 4 story and basement, 75 x 140 ft., rein.-con., Grand Ave. for Masonic Club, Alexandria Hotel. $150,000. Noted Jan. 29.

Calif., Ventura—Store and Hotel—C. L. Jay, archt., 845 East Washington St., Pasadena, taking bids 5 story and basement, 150 x 150 ft., brick and cast stone, for Berg Investment Co., c/o architects. $150,000 or more. Noted Jan. 29.

B. C., Vancouver—Store—Mar. 7, by Woodwards Ltd., Hastings and Abbott Sts., 6 story and basement, 88 x 152 ft., rein.-con., brick and tile addition, Abbott and Cordova Sts. $250,000. Private plans. P. P. Brown, 410 London Bldg., engr.

BIDS RECEIVED

N. Y., Jamaica — High School — W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, Feb. 19, Jamaica High School, here, for Bd. Educ., 500 Park Ave., New York City, general contract, from Lustbader Constr. Co., 423 Madison Ave., New York City, $2,083,980; plumbing, from T. E. O'Brien, Inc., 6311 5th Ave., Brooklyn, $123,480; heating from Heat Control Serv. Co., 159 Park Pl., Brooklyn, $219,000. Noted Jan. 29.

D. C., Wash. — Gymnasium — Dept. Interior, from W. L. Morrison Constr. Co., Wash., D. C., constructing gymnasium and armory building, at Howard University, $124,800 (240 days), also athletic field $33,750 (180 days).

Md., Baltimore—Police—Bd. Awards, 5 story and basement, 160 x 237 ft., brick and steel, plain foundation, Lexington and Fallsway Sts., from Sinclair & Grigg, Medical Arts Bldg., Phila., Pa., $971,000. Noted Feb. 12.

Calif., Los Angeles—School—City Garfield High School, general contract 2 story and basement, brick and concrete, 6th St. and Frasier Ave., from B. D. Kronnick, 3623 South Park Ave., $417,000; heating and plumbing, from Hickman Bros., 471 West 8th St., San Pedro, $55,063; plumbing, from Ashworth & Gallop, 5853 Moneta Ave., $39,690.

CONTRACTS AWARDED

Mass., Boston—Club—Boston Lodge of Elks, 10 Somerset St., 13 story and basement, 116 x 117 x 170 ft., brick, steel and limestone, Tremont St., near Hollis St., to W. A. and H. A. Root, Park Sq. Bldg. Archts. est. $3,000,000. Noted Jan. 8.

Mass., Boston—Store and Office—Mayflower Trust Co., c/o Parker, Thomas & Rice, Archts., 177 State St., altering and constructing 3 story and basement, 75 x 125 ft. addition, 352 Boylston St., to W. A. Wentworth Co., 107 Pacific St., Cambridge. Archts. est. $150,000.

Mass., Jamaica Plain (Boston P. O.)—School — Schoolhouse Dept., City Hall, Boston, 3 story and basement, 70 x 130 ft., Elm St., here, to McDonald & Imhoff, 164 Dudley St., Roxbury, $333,720. Noted Feb. 5.

Mass., Lowell—School—Roman Catholic Diocese, c/o A. O'Connor, 25 Granby St., remodeling 3 and 4 story and basement, 125 x 200 ft., concrete, brick and granite jail into preparatory school for boys, Thorndike St., to D. H. Walker, 529 Dutton St. Archts. est. $300,000.

Conn., Derby—School—School Comn., City Hall, 3 story, 100 x 220 ft., brick, Minerva St., to Hession Bros., 31 10th St., $134,200. Noted Jan. 15.

N. Y., New York—Apartment—Monitor Realty Co., c/o Margon & Glaser, archts. and engrs., 2804 3rd Ave., will build 6 story, 50 x 185 ft., brick, steel and stone, plain foundation, Wadsworth Terrace, by day labor. $250,000.

N. Y., New York—Apartment—Monitor Realty Corp., c/o Margon & Glaser, archts. and engrs., 2804 3rd Ave., will build 5 story, 100 x 100 ft., brick, steel and stone, plain foundation, Fairview Ave., by day labor. $250,000.

N. J., Camden—Hospital—Lacky & Hettle, archts., 5 Hudson St., 5 story and basement, 64 x 68 ft. addition, Mt. Ephraim and Atlantic Aves., ot H. J. Homan Co., 18th and Cherry Sts., Phila., Pa., for West Jersey Homeopathic Hospital, 3220 Federal St.

Buildings—Commercial (Continued)

Del., Wilmington — School — Bd. Pub. Educ., City Hall, general contract Bancroft School, 3 story and basement, 102 x 238 ft., Lombard St. between 7th and 8th Sts., to H. J. Homan Co., 18th and Cherry Sts., Phila., Pa., $339,064; plumbing, heating and ventilating, to T. T. Weldin & Son, 916 Orange St., Wilmington, $80,900. Noted Jan. 22.

Va., Charlottesville — Hotel — Jackson Park Hotel Co., c/o S. S. Johnson & R. O. Brannan, archts., Peoples Bank Bldg., Lynchburg, 9 story and basement, 65 x 100 ft., rein.-con., brick and steel, plain foundation, to Consolidated Eng. Co., 20 East Franklin St., Baltimore, Md., $400,000. Noted Jan. 29.

W. Va., Huntington—Synagogue— Chev Sholem Congregational, general contract 4 story and basement, 66 x 100 ft. synagogue, 10th Ave. and 10th St., to C. H. Smith, R. & P. Bldg., Huntington. Archts. est. $200,000.

Fla., St. Petersburg—Warehouse—See "Unclassified."

O., Cleveland—Apartment—A. Rothenberg, 2163 Ontario St., 3 story and basement, 38 x 177 ft., brick and timber, 2049 Cornell Rd., to S. Grafchis, 3325 East 125th St. Archts. est. $150,000. Noted Nov. 13.

O., Cleveland—Commercial—Giddings Sq. Building Co., c/o A. B. Symith, pres., 200 Erie Bldg., 2 story and basement, 202 x 275 ft., brick, steel and concrete, East 71st St. and Euclid Ave., to W. Dunbar Co., 8201 Cedar Ave. Archts. est. $250,000.

O., Cleveland — Commercial — J. W. Wilson, 8314 Euclid Ave., 4 story and basement, 90 x 155 ft., brick, steel and concrete, 5205 Euclid Ave., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $250,000. Former contract rescinded. Noted Jan. 29.

O., Cleveland — Theatre and Store — Owner, c/o L. Abrams, Engineers Bldg., 1 story, 1,000 seating capacity, brick, steel and concrete, East 124th St., and Superior Ave., to C. W. Grove Constr. Co., 1900 Euclid Bldg. Archts. est. $250,000. Noted Jan. 29.

O., Toledo — Club — Mills, Rhines, Bellman, & Nordhoff, archts., Ohio Bldg., 5 story and basement, 92 x 100 ft., rein.-con. and brick, 14th St., and Madison Ave., to H. J. Spieker Co., Elm and Utica Sts., for Toledo Club. $225,000. Noted Dec. 11.

O., Willard—High School—Bd. Educ., 2 story and basement, 152 x 166 ft., brick, steel and concrete, to Baker & Shindler, Defiance, $110,400. Noted Dec. 11.

Mich., Pontiac—Infirmary—Oakland Co. Poor Bd., 3 story and basement, brick, steel and stone, plain foundation, to F. R. Patterson Constr. Co., 2631 Woodward Ave., Detroit, $213,000.

Wis., La Crosse — Home — La Crosse Catholic Diocese, M. Pollock, pastor, c/o St. Michaels Orphanage, 3 story and basement, 82 x 143 ft., brick and concrete, plain foundation, Cass St., to R. F. Conlon, Dubuque, Ia. Archts. est. $150,000. Noted Feb. 19.

Wis., Milwaukee — Bank — North Ave. State Bank, 3506 North Ave., masonry, concrete and excavation contract for 1 story and basement, 60 x 120 ft., brick, concrete and stone, plain foundation, North Ave., to F. Wilke, 1253 36th St.; carpentry, to P. Lauer, 3934 Vliet St. Archts. est. $150,000.

Minn., St. Paul—School—H. W. Austin, city purch. agt., general contract 3 story and basement, rein.-con., brick, stone and tile, East 3rd and Earl Sts., to W. M. Lindau Constr. Co., 220 Guardian Life Bldg., about $165,000. Noted Jan. 8.

Minn., St. Paul — School — Dept. Educ., L. R. S. Ferguson, comr., City Hall, general contract 3 story and basement, rein.-con., brick, stone and tile, Fulton and Palace Sts., to Federal Constr. Co., Globe Bldg., $146,000. Noted Jan. 15.

Neb., Kearney — High School — G. E. Haase, secy. Bd. Educ., Junior High School, 2 story and basement, 120 x 250 ft., brick and concrete, to Knutzer & Son, Kearney, $160,743. Noted Jan. 29.

N. D., Fargo—Hospital—St. Johns Hospital, general contract 5 story and basement, 44 x 140 ft., rein.-con., brick and tile addition, to T. F. Powers Constr. Co., 419 8th St. N., about $325,000.

Mo., St. Louis—Apartment—Kingshighway Apartment Co., c/o C. F. A. Bruggeman, archt., 506 Olive St., general contract 6 story and basement, 90 x 180 ft., rein.-con., brick and stone, Laclede St. and Buckingham Court, to J. Bright Constr. & Building Co., Arcade Bldg.

Mo., St. Louis—Office—Roxana Investment Co., c/o Roxana Petroleum Corp., Arcade Bldg., general contract, 12 story and basement, 102 x 196 ft., brick, stone, concrete and steel, Locust and 13th Sts., to Gamble Constr. Co., 620 Chestnut St., approximately $500,000. Noted Feb. 12.

Tex., Amarillo—Office—Amarillo Building Co., 8 story and basement, 50 x 140 ft., brick and steel, plain foundation, 3rd St., to Fred Stone & Co., 909 Taylor St., $475,000 cost plus percentage basis. Noted Jan. 29.

Tex., Corpus Christi — New State Hotel, V. M. Donigan, proprietor, 4 story and basement, 100 x 100 ft., rein.-con. and brick, plain and concrete pile foundation, to Wagner & Son, San Antonio, approximately $600,000.

Tex., Dallas—Warehouse—S. W. Carrington, archt., Western Indemnity Bldg., 3 story and basement, 125 x 550 ft., rein.-con. and brick warehouse, plain foundation, to S. S. Self, Western Indemnity Bldg., $300,000. Owner's name withheld.

Wash., Seattle—Apartment—J. North, 5 story, 120 x 120 ft., masonry apartment, 1617 Yale Ave., to H. Pederson, Alaska Bldg., $270,000.

Calif., Long Beach—Theatre, Office, etc.—West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles, general contract 2 story, 145 x 190 ft., rein.-con. and brick, West Manchester Ave., to W. G. Reed, 814 Pacific Southwest Bank Bldg., $162,500. Noted Jan. 1.

Calif., Los Angeles—Warehouse—A. C. Martin, archt., Higgins Bldg., 8 story, 50 x 130 ft., rein.-con., Pico St. and Normandie Ave., to Davidson Constr. Co., 1445 East 16th St., for A. Wohlfarth, 1607 Pleasant Ave., $89,500. Noted Feb. 12.

Calif., San Diego — Auditorium — Bd. Educ., general contract concrete and steel auditorium, 2,500 seating capacity, for San Diego High School, to Reed Constr. Co., Spreckles Bldg., $186,000. Noted Apr. 10.

Calif., San Francisco—Apartment—T. Hamill, 6140 Geary St., will build 5 story and basement, rein.-con., Geary St. near 27th Ave., by day labor. $175,000. M. Morrison, 604 42nd Ave., archts.

Que., Sherbrooke — Gymnasium, etc. — Normal School Bd., constructing gymnasium chapel, dormitory, etc., to Collet & Bros., 243 St. Hubert St., Montreal. Archts. est. $300,000.

Federal Government Work

PROPOSED WORK

H. T., Pearl Harbor—Fence—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon takes bids boundary fence, at Naval Operating base, here.

BIDS DESIRED

R. I., Providence — Dredging — Mar. 27, U. S. Engineer Office, dredging Connecticut River below Hartford; adv. E. N.-R. Feb. 26.

N. Y., Buffalo—Generator Unit—Mar. 16, by Supt. Lighthouses, 34 hp. engine generator unit; adv. E. N.-R. Feb. 26.

S. C., Charleston—Dredging—Mar. 28, by U. S. Engineer Office, dredging Sampit River and Western Channel, Winyah Bay. adv. E. N.-R. Feb. 26.

BIDS RECEIVED

D. C., Wash.—Garage—Treas. Dept. at office Supervising Archt., Wash., D. C., constructing 1 story garage for fuel yards, here, from Virginia Eng. Co., Newport News, Va., $144,000. Noted Feb. 12.

Ill., Great Lakes — Water Intake — Spec. 5044—Bureau Yards & Docks, Navy Dept., Wash. D. C., water intake extension at Naval Training Station, here, from G. A. Green, 1000 South Jackson St., Green Bay, Wis., (1) $97,150 (1a) $94,150 (b) $92,000 (2) $65,500 (3) $62,250 (4) $24 (5) $30 (6) $1,800. Noted Feb. 5.

Wash., Keyport—Extension—Spec. 5040—Bureau Yards & Docks, Navy Dept., Wash., D. C., extension to Torpedo Storehouse, here, from C. H. Schaar, 721 21st Ave., Seattle, (1) $39,774 (2) $4,107 (3) $450. Noted Jan. 15.

P. I., Cavite—Radio Tower—Spec. 5057—Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing 210 ft. steel radio tower, here, from Pittsburgh—Des Moines Steel Co., Virginia R.R. and Power Bldg., Richmond, Va., (1) $7,130 (2) $6,550. Noted Jan. 15.

CONTRACTS AWARDED

Wash., Puget Sound—Repairs, etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs and fitting out piers here to Henry & McPhee, Seaboard Bdg., Seattle, $1,190,000. Noted Feb. 12.

FEDERAL POWER COMMISSION

Applications for Licenses and Permits

Applications

568—Bunker Hill & Sullivan Mining & Concentrating Co., Kellogg, Idaho—Wants license for 12 ft. rock fill crib dam with wood stave pipe conduit, 1,600 ft. long and steel penstock to power house in Stratton Creek, Valley Co., near Cascade.

569—A. L. Aprin, San Juan, Porto Rico and Florence, Ala. — Wants preliminary permit for diversion of Hicaco, Cubuy, Sabana, and Prieto streams to power house near their junction with Rio Blanco, in Naguabo municipality.

570—Appleton Land, Water & Power Co. 604 Washington Bldg., Los Angeles, Calif.—Wants preliminary permit for dam in Deep Creek, San Bernardino Co., about 3 mi. above intake at Hesperia Ditch, forming reservoir about 1,000 acre ft. capacity.

571—W. H. Meredith, 105 North Main St., Poplar Bluff, Mo.—Wants preliminary permit for 130 ft. dam across Black River about 3 mi. from Piedmont, creating reservoir about 14,000 acres in area and 800,000 acre ft. capacity, Wayne and Reynolds Counties.

573 — Oklahoma Gas & Electric Co., Oklahoma City, Okla.—Wants license for transmission line across land owned by Shawnee Manual Training School, Pottawatomie Co.

574—Montana Light & Power Co., 922 Old Natl. Bank Bldg., Spokane, Wash.—Wants license for transmission line in Lincoln Co., in Kootenai National Forest.

575 — Eastern States Development Co., Wheeling, W. Va.—Wants preliminary permit for dam in New River, just below mouth of Meadow Creek, near Old Tow, Va., creating reservoir extending about 20 mi. upstream, to completely regulate New River, discharging flood waters through power tunnel from Meadow Creek to power house on headwaters of Fisher River, a tributary of the Yadkin, and 4 dams and power houses, etc.

576—Buchan & Heinen Packing Co., 2106 L. C. Smith Bldg., Seattle, Wash.—Wants license for 8 ft. dam in unnamed creek which enters Port Armstrong.

577—California—Oregon Power Co., San Francisco, Calif.—Wants preliminary permit for dam about 3 mi. above mouth of Clearwater River, Douglas Co., Ore., creating storage reservoir, etc.

578—F. B. Allard, 721 18th Ave., North Seattle, Wash.—Wants preliminary permit for power installation in Foss River, King Co. ,about 4 mi. from Skykomish.

579—Inland Power & Light Co., Portland, Ore.—Wants license for transmission line in Franklin Co.

580—A. Moa, Ketchikan, Alaska—Wants preliminary permit for power installation in Fish Creek, about 6 mi. from Hyder.

Unclassified

PROPOSED WORK

Breakwater, etc.—Dennis, Mass.—Commonwealth of Massachusetts, Court House, Boston, plans breakwater at Nobscusset Harbor and sea wall at West Dennis. $25,000. W. F. Williams, Dept. Pub. Wks., Boston, Comr.

Pier—Atlantic City, N. J.—Associated Realty Co., c/o H. A. Stout, archt., Guarantee Trust Bldg., plans 40 x 200 ft. addition to pier.

Stadium — Beaver Falls, Pa. — Geneva College having plans prepared 1 story, rein.-con. stadium, 5,000 seating capacity. $60,000. Osborn Eng. Co., 7016 Euclid Ave., Cleveland, O., engrs.

Stadium—New Castle, Pa. — Bd. Educ., B. Graham, clk., had plans prepared 1 story, 62 x 300 ft., rein.-con. stadium. $75,000. Osborn Eng. Co., 7016 Euclid Ave., Cleveland, O., engrs.

Coke Ovens—Clinchfield, Va.—Clinchfield Coal Corp., controlled by Blair & Co., 24 Bway., New York City, plans battery by-product coke ovens, 1,000 tons coal daily capacity and producing 10,000,000 cu.ft. gas, here.

Park, etc. — Daytona, Fla. — Daytona Water Front Co., takes bids in spring improving park, landscaping and small bridge. To exceed $250,000. A. D. Taylor, 4614 Prospect Ave., Cleveland, O., landscape archt.

Unclassified (Continued)

Telephone Improvements — Birmingham, Ala—See "Buildings—Commercial."

Amphitheatre—Cleveland, O.—City W. R. Hopkins, city mgr., having plans prepared by H. Kregelius, City Hall, concrete amphitheatre, Ambler Park. To exceed $150,000.

Street Lighting System—West Bend, Wis.—C. P. Heipp, city clk., soon takes bids ornamental street lighting system incl. concrete posts, cable, etc., for down town district. $60,000. C. H. Shepherd, 38 South Dearborn St., Chicago, Ill., engr. Noted Oct. 9.

Stock Yards, etc.—Lincoln, Neb.—Chicago Burlington & Quincy RR., 547 West Jackson Blvd., Chicago, Ill., had plans prepared stock yards, grading, straightening creek and miscellaneous structures. $300,000. F. T. Darrow, Lincoln, asst. ch. engr. lines west of Missouri River.

Electric Light System—Kirkwood, Mo.—Voted $30,000 bonds repairs to electric light distribution system. C. E. Smith, Railway Exch. Bldg., St. Louis, engr.

Transmission Line—Oklahoma—City of Leedey voted $25,000 bonds for distribution system and transmission line from Leedey to Elk City.

Street Lighting System — Los Angeles, Calif. — Takes bids about Mar. 10, ornamental street lighting system on portions of West Blvd., Catalina and 1st Sts., Pasadena, Harcourt and Ambrose Aves. To exceed $25,000. H. A. Van Norman, City Hall, engr.

Gas Mains — Palo Alto, Calif. — See "Streets and Roads."

Car Barn—San Francisco, Calif.—City and San Francisco Co. plans probably reinforced con. car barn addition, Potrero Dist. $200,000. M. M. O'Shaughnessy, city engr.

Ornamental Street Lighting System—San Diego, Calif.—Plans 160 Union Metal lamp standards, Design 1775, on 8th, 9th, 10th, 11th and 12th Sts., between Bway. and Market St. To exceed $25,000. F. A. Rhodes, City Hall, engr.

Overhead Crossing — San Luis Obispo, Calif. — State Hy. Comn., Sacramento, making preliminary plans overhead crossing over Southern Pacific R.R. tracks. $100,000. R. M. Morton. Forum Bldg., Sacramento, highway engr.

Power Development—Ottawa, Ont.—Provincial Government, Toronto, plans to develop 100,000 hp. at Chats Falls, about 25 mi. above here, and at Roche Fondu, near Calumet Island, on Ottawa River. $800,000.

BIDS DESIRED

Underpass — Springfield, Mass. — Boston & Albany R.R. Co., South Station, Boston, taking bids Dwight St. underpass, concrete and steel, here. $150,000 or more. F. B. Freeman, South Station, Boston, ch. engr.

Miscellaneous Construction, etc. — New York—Mar. 6, by Bd. Transportation, 49 Lafayette St., New York City, miscellaneous construction, and station finish, on Bway, 4th Ave. and Manhattan-Bronx Rapid Transit R.R. and Eastern Parkway Line, in Brooklyn and Manhattan Boros.

Grain Elevator—Phila., Pa.—Feb. 28, by S. T. Wagner, engr., Reading Terminal, 55 x 143 ft. grain elevator, 142 ft. high, rein.-con., plain foundation, 20th St. and Pennsylvania Ave., for Reading Co., Port Richmond St. $300,000.

Fire Sprinklers—Buffalo, N. Y.—Mar. 25, by State Hospital Comn., Capitol, Albany, automatic fire sprinklers at Buffalo State Hospital, here; S. W. Jones, Albany, state archt.; adv. E. N.-R. Feb. 26.

Fire Alarm System — Willard, N. Y. — Mar. 25, by State Hospital Comn. Capitol, Albany, fire alarm system at Willard State Hospital, here. S. W. Jones, Albany state archt.; adv. E. N.-R. Feb. 26.

Pier—Grosse Pointe Farms, Mich.—Mar. 2, by E. P. Walter, engr., Kerby Rd., pier in Lake St. Clair at foot of Moross St., 935 lin.ft. of pier with bents spaced 8 ft., and 850 ft. of close row stone filled pier for harbor protection, for Village. $25,000.

Park Improvements—Ft. Worth, Tex.—Mar. 7, by Park Bd. c/o G. C. Clark, supt., improvements to Burk Burnett Park. $50,000. F. J. Von Zuben, Ellison Bldg., engrs.

BIDS RECEIVED

Athletic Field—Long Island, City, N. Y.—Park Bd., Municipal Bldg., New York City, Feb. 19, athletic field, etc., in Forest Park, from L. DiMinna, 2366 Lorrilard Pl., New York City, $92,683. Noted Feb. 12.

CONTRACTS AWARDED

Tunnels, etc.—Providence, R. I.—Narragansett Electric Light Co., Turks Head Bldg., flume tunnels, etc., to Jarrett-Chambers Co., Inc., 30 East 42nd St., New York City. Noted Jan. 22.

Grain Elevator — Buffalo, N. Y. — Superior Elevator Co., Chamber of Commerce, rein.-con. elevator, Buffalo River, to J. Stewart & Co., 343 South Dearborn St., Chicago, Ill., $250,000.

Pier Shed—New York, N. Y.—M. Cosgrove, comr. Docks, Pier A, foot Battery Pl., pier shed and bulkhead shed for Pier 2, North River, Contr. 1847, to O'Day Constr. Co., 1639 Bway., $406,954. Noted Feb. 19.

Plumbing, Heating, etc. — Wilmington, Del.—See "Buildings—Commercial."

Wharf, etc.—St. Petersburg, Fla.—For Bayboro wharf and warehouse, to Raymond Concrete Pile Co., St. Petersburg, $341,109. Noted Dec. 18.

Roofing, etc. — New Orleans, La. — Bd. Port Comrs., New Court House Bldg., sheet metal work and glazing on Claiborne Ave. shed to Blattman-Weeser Sheet Metal Wks., 1001 Toulouse St., $28,411, asbestos roofing on middle section of shed to Johns-Manville Inc., Magazine and Gravier Sts., $38,591, on south and north section of shed to J. J. Clarke Co., New Orleans, $39,419. Noted Feb. 19.

Material and Equipment

PROPOSED WORK

Drills, Barges, etc.—Charleston, S. C.—Salmons Dredging Co., 9 State St., plans to purchase submarine drills, barges, hoisting engines, derricks, etc., for dredging, dock construction, and pipe line at Amba Island, Dutch West Indies.

Flushers and Road Maintainers—Cleveland, O.—City, W. K. Hoare, purch. agt., plans to purchase motor flushers and motor driven road maintainers.

Gravel Pit Machinery—Rochester, Wis.—Racine Co., W. A. Bechthold, Racine, highway comr., plans to purchase electrically operatde outfit for gravel pit, here.

Tractor, etc.—Ashley, N. D.—McIntosh Co. plans to purchase 1 caterpillar tractor, 1 elevator grader, blade grader and covered dump wagons. J. Billigmeier, co. aud.

Piling, etc.—Grand Forks, N. D.—C. J. Evanson, city aud. rejected bids Dec. 24, for 24 pieces 32 ft., 93 pieces 51 ft., and 222 pieces 42 ft. piling, all 6 in. top and 14 in. butt, 160,000 ft. sheet piling, 170,000 ft. dimensions on timbers, 5,500 cu.yd. rock and 2,400 cu.yd. excav. for dam in Red River of the North. Noted Dec. 18.

Road Roller—Modesto, Calif.—Supervs. Stanislaus Co., plan to purchase 10 ton (Austin type) road roller. J. H. Hopkins, co. surv.

BIDS DESIRED

Bituminous Material — Albany, N. Y. — Mar. 10, by A. W. Brandt, comr. highways, 55 Lancaster St., bituminous material, etc.; adv. E. N.-R. Feb. 26.

Tractor—Hoboken, N. J.—W. F. Stocker, 501 8th St., in market for caterpillar tractor, gas driven.

Cranes—Allenport, Pa.—Pittsburgh Steel Co., Union Trust Bldg., Pittsburgh, taking bids 8 cranes, 7½ to 20 ton capacity for plant, here.

Crane—Latrobe, Pa.—Vulcan Mould & Iron Wks., in market for 20 ton overhead electric crane.

Sand Mixer — Pittsburgh, Pa. — United Eng. & Fdry. Co., Farmers Bank Bldg., taking bids one sand mixer. W. E. Sanborn, purch. agt.

Crushed Stone, Gravel, etc.—Baltimore, Md. — Mar. 4, by Bd. Awards, crushed stone, slag, cinders, gravel, sand, 100,000 red wire cut vitr. blocks 3½ in. wide, 100,000 red wire cut vitr. blocks 3 in. wide, and 30,000 buff repressed vitr. blocks, 3 in. wide, lumber, also bituminous flushing of roads and streets, 150,000. sq.yd. ½ gal. with cover, 15,000 sq.yd. ½ gal. without cover, and 350,000 sq.yd. ½ gal. with cover. B. L. Crozier, City Hall, highways engr.

Stone, etc.—Towson, Md.—Mar. 3, by Comrs. Baltimore Co., Courthouse, furnishing 45,400 tons stone, 106,450 gal. patch material, 211,000 gal. tar or oil. S. A. Green, Courthouse, road engr.

Clam Shells—New Orleans, La.—Mar. 3, by Comn. Council, 15 barges of clam shells, f.o.b. bank of New Basin Canal either at west end or vicinity opposite municipal repair plant.

Lead Cable—Cleveland, O.—Feb. 27, by City, c/o W. H. Hoare, purch. agt., for five thousand 16 conductor and seven thousand five hundred 10 conductor cable.

Asphaltic Cement, etc.—Detroit, Mich.—Feb. 28, by Dept. Purchases & Supplies, City Hall, 20,000 tons refined asphaltic cement, 25,000 yd. washed bank sand, 20,000 yd. gravel and 2,000 yd. pebbles.

Crane—Portage, Wis.—Columbia Co., c/o J. T. Henton, highway comr., in market for 1 crane for 40 ft. span, lathe, and drill press for repairing road machinery.

Patrol Graders—Port Washington, Wis.—Mar. 5, by W. J. Ubbink, hydro comr. Ozaukee Co., 1 or more power patrol graders for road work.

Tarvia—Two Rivers, Wis.—Mar. 2, by Bd. Pub. Wks., H. C. Gowran, chn., 20,000 gal. tarvia B or equal, 16 bbl. tarvia A or equal, 8 bbl. tarvia K.P. or equal and 56 bbl. tarvia X or equal.

Road Oil, etc.—Wausau, Wis.—Mar. 2, by Bd. Pub. Wks., 50,000 gal. tar product road oil and 3 carloads calcium chloride.

Road Machines—Bismarck, N. D.—Mar. 5, by Comrs. Burleigh Co., 4 one-man operated, horse-drawn patrol road machines, of 1,200-1,500 lbs. F. A. Johnson, co. aud.

Graders, etc.—Bottineau, N. D.—Mar. 5, by W. M. Martin, aud. Bottineau Co., 3 patrol graders with 8 or 10 f.t blades, and 1 gravel loading outfit.

Tractor—Onida, S. D.—Mar. 4, by C. L. Clessner, aud. Sully Co., one tractor, caterpillar type, large or small.

Pig Lead, etc. — Dallas, Tex. — M. G. James, city secy., taking bids 40,000 lb. pig lead, 30,000 lb. ¾ in. and 6,000 lb. 1 in. lead pipe.

Rock—Long Beach, Calif.—City Council taking bids 1,500,000 tons rock for bulkheads. R. D. Van Alstine, city engr.

Steam Shovel — Medford, Ore. — R. I. Stuart taking bids ¾-yd. capacity steam shovel, caterpillar traction.

BIDS RECEIVED

Cement — Baltimore, Md.—Bd. Awards, cement, from Hudson Cement & Supply Co., Westwood and Whitmore Aves., $2.72 per bbl.

CONTRACTS AWARDED

Broken Stone, etc. — Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., to Standard Oil Co., 26 Bway., New York City, 600,000 gal. road oil $36,480, 1,300 tons asphaltic cement $27,300, 350,000 gal. asphaltic macadam binder $25,480; to Warner Quinlan Co., 79 Wall St., New York City, 25,000 gal. asphalt for patching $4,388, 60,000 gal. fuel oil $3,930. Noted Feb. 19.

Sand Grit, etc.—New York, N. Y.—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., to J. W. Farrel, Valentine Ave., 9,000 cu.yd. sand grit, $16,550; to Standard Oil Co., 26 Bway., 1,500 tons asphaltic cement $33,330, 750,000 gal. bituminous road surfacing material $50,250; to P. Solomon, 1358 Brook Ave., 5,000 bags Portland cement $3,425; to Grangers Mfg. Co., Westock, Mass., $4,865; to Barrett Co., 17 Battery Pl., 150,000 gal. tar for patching $23,850, 300,000 gal. bituminous road material $32,700, 75 tons pitch joint filler $2,063; to J. A. Maloney Co., 1170 Bway., long leaf yellow pine $9,680; to Gallagher Shand, 420 East 105th St., 1,000 cu.yd. concrete and paving sand $1,700; to Calvin Tompkins, 30 Church St., 7,500 cu.yd. binder stone $14,850; to Z. Mahoney, 557 46th St., Brooklyn, 10,000 cu.yd. asphalt sand, $12,800; to United Sand & Gravel Co., 325 West 216th St., 4,000 cu.yd. 1½ in. waterbound macadam stone, etc. $27,625. Noted Feb. 19.

Road Oil — Watertown, Wis. — F. S. Weber, city clk., 120,000 gal. road oil to Amer. Mexican Refining Co., 11 South La Salle St., Chicago, Ill., at $0.0628 per gal. Noted Feb. 5.

Portand Cement and Timber—Waukon, Ia.—C. A. Palmer, aud. Allamakee Co., 500 bbl. Portland cement delivered to New Albion, to C. Birch Lumber Co., Waukon; 500 bbl. Portland cement delivered to Waukon, to Eaton & Jones, Waukon; and 100,000 ft. bridge timber, to W. W. Saylor & Co., Waverly. Noted Jan. 20.

Rock Asphalt—San Antonio, Tex.—For 2,000 tons rock asphalt for repairs on highways within radius of 40 mi. of here, to Colgazier & Hoff, 022 Austin St., $10.30 per ton.